

FIG. 1

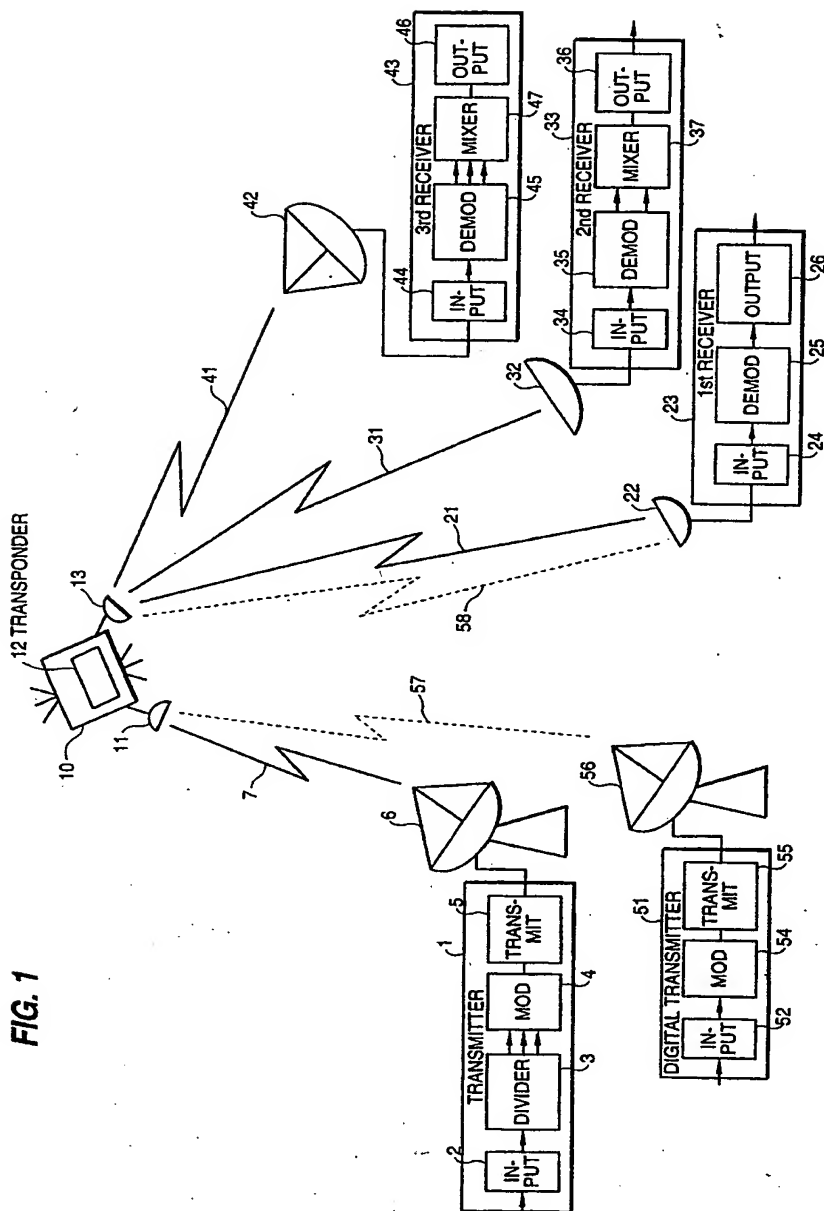


FIG. 2 (Amended)

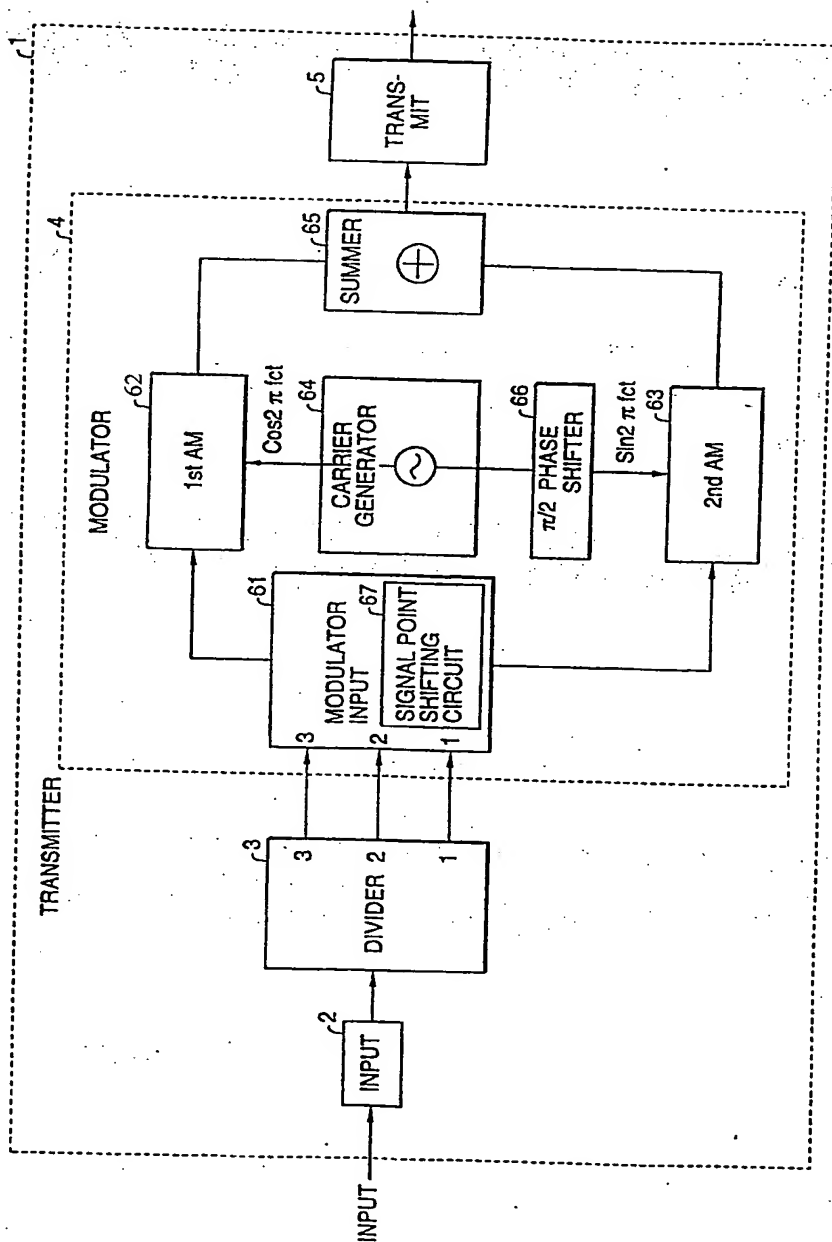


FIG. 3

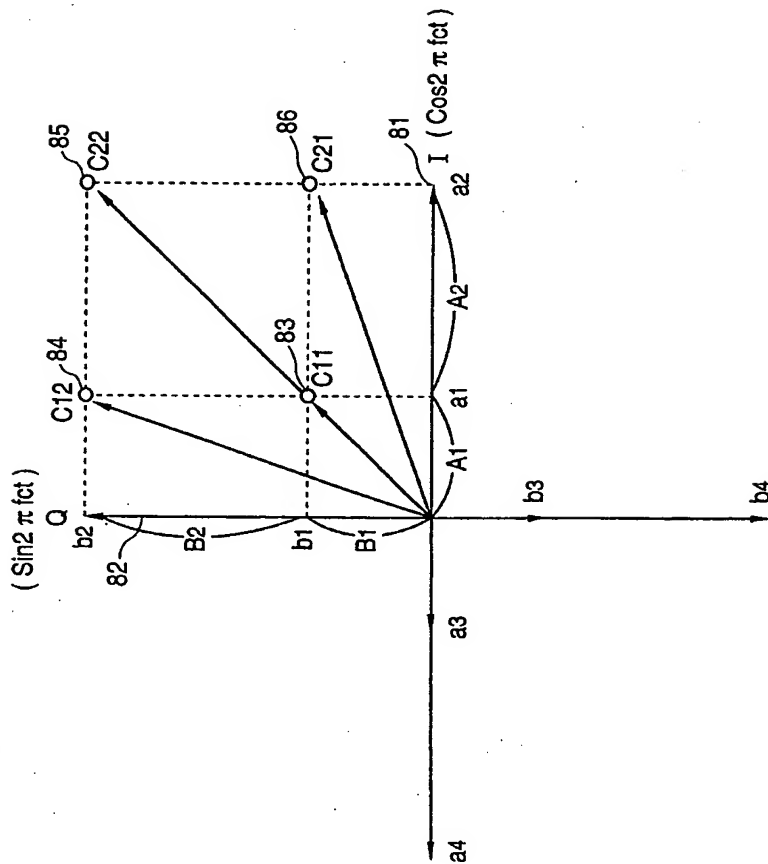


FIG. 4

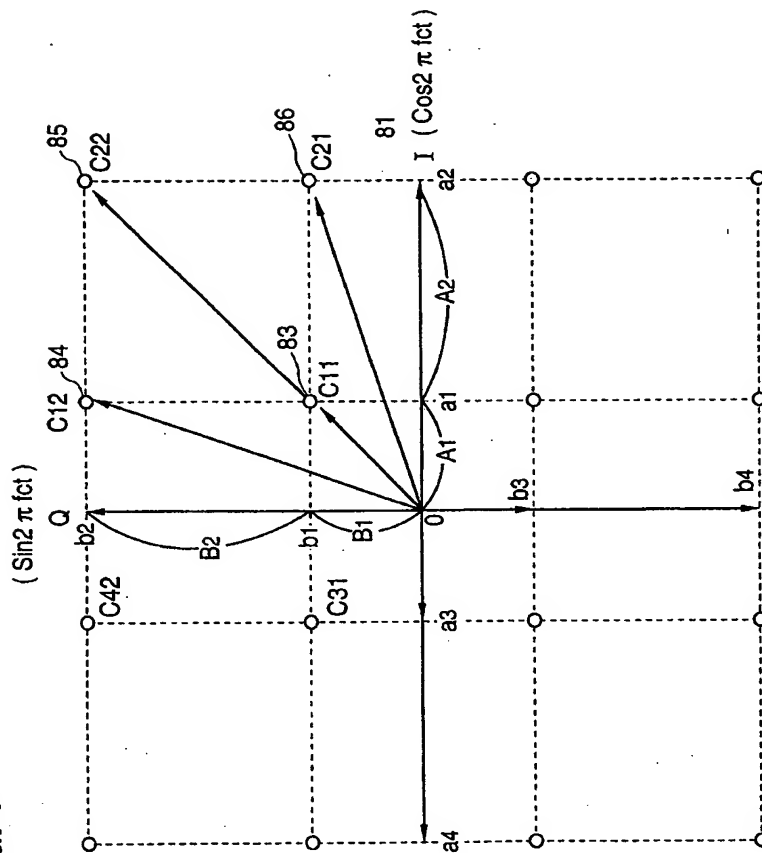


FIG. 5

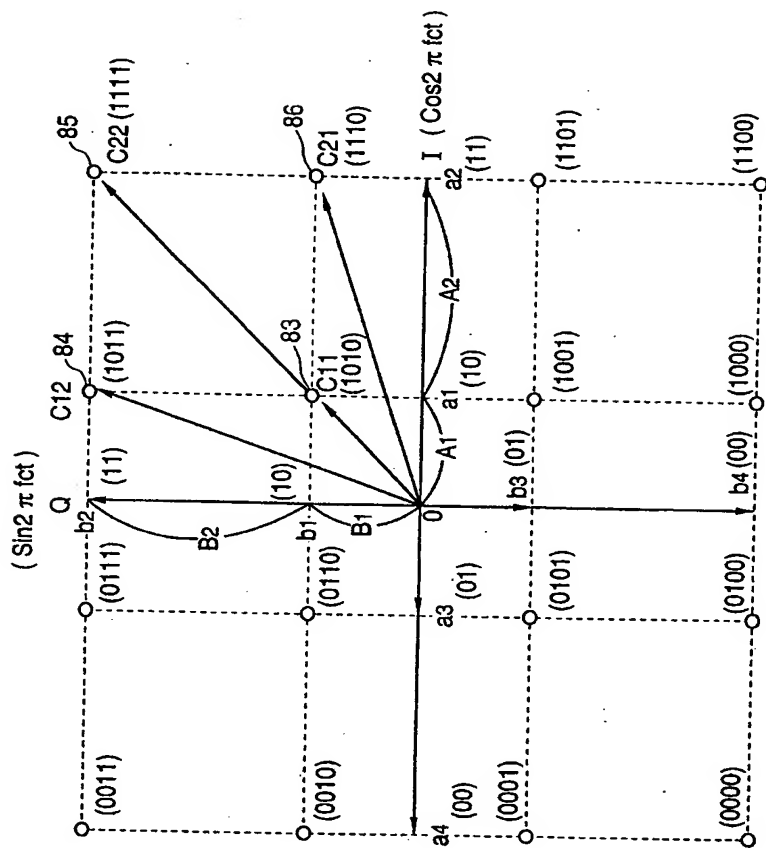


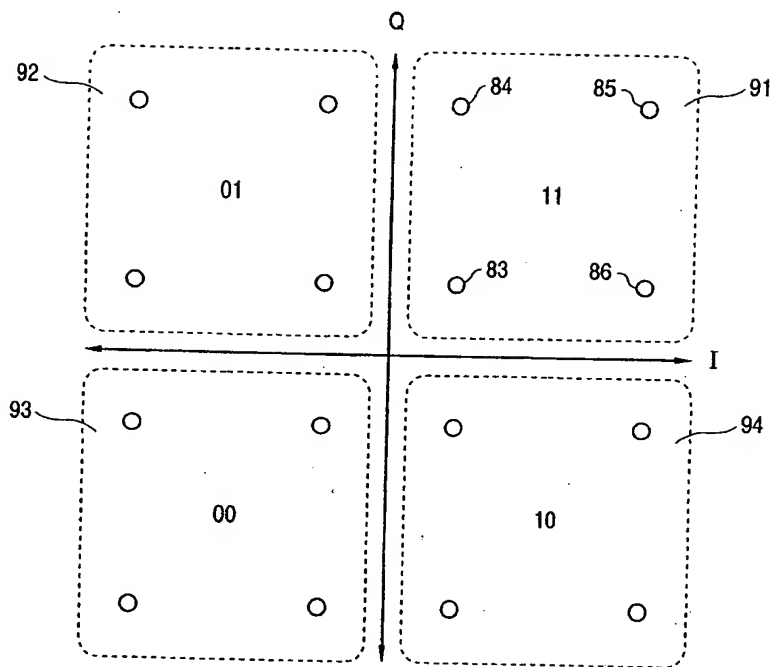
FIG. 6

FIG. 7

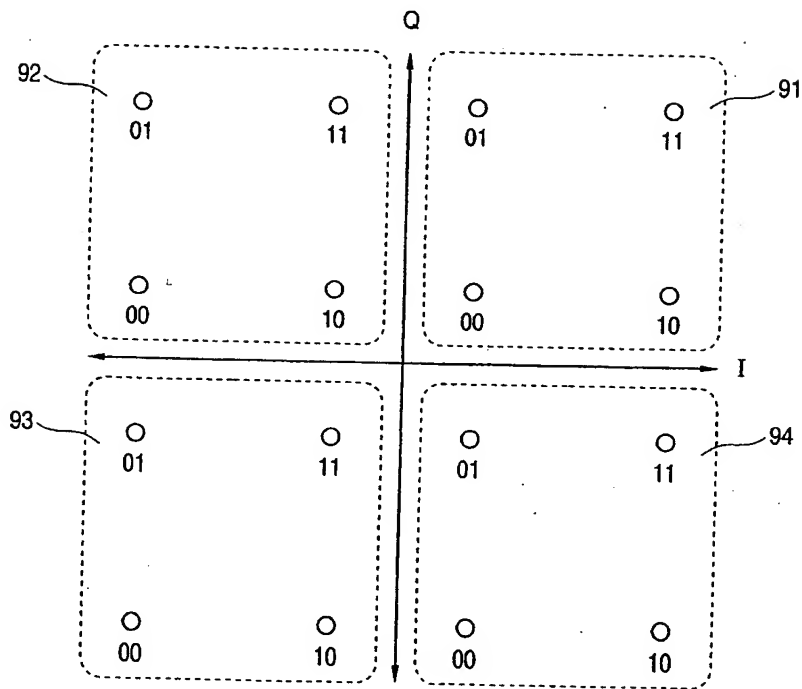


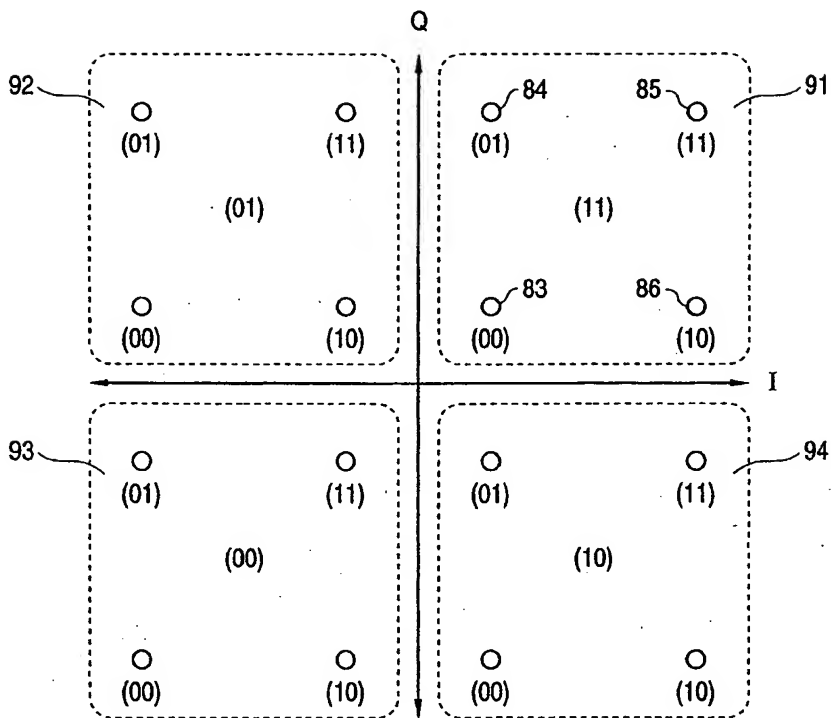
FIG. 8

FIG. 9

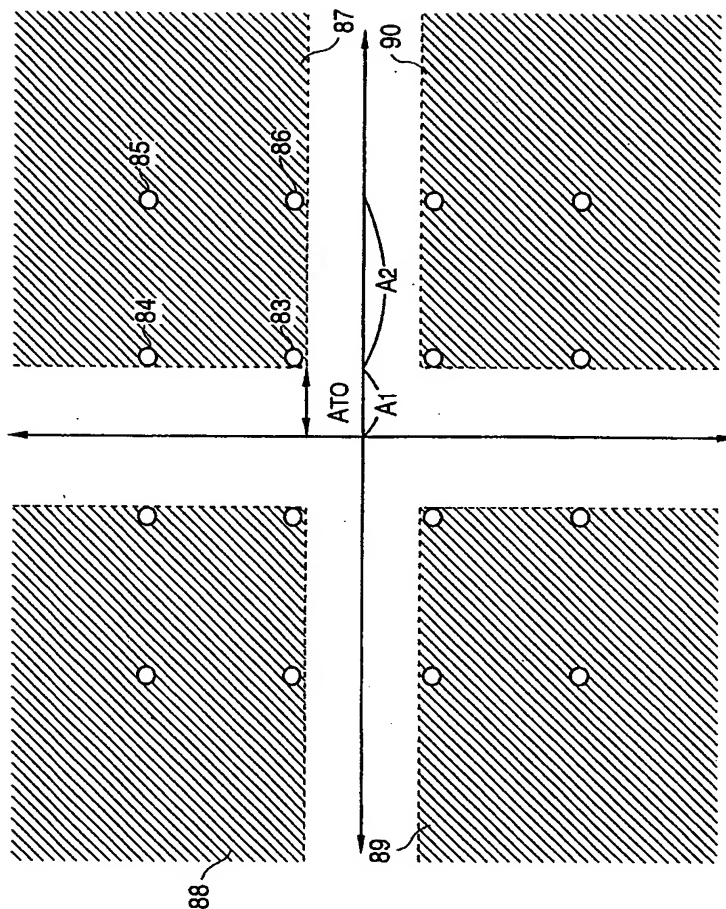


FIG. 10 (Amended)

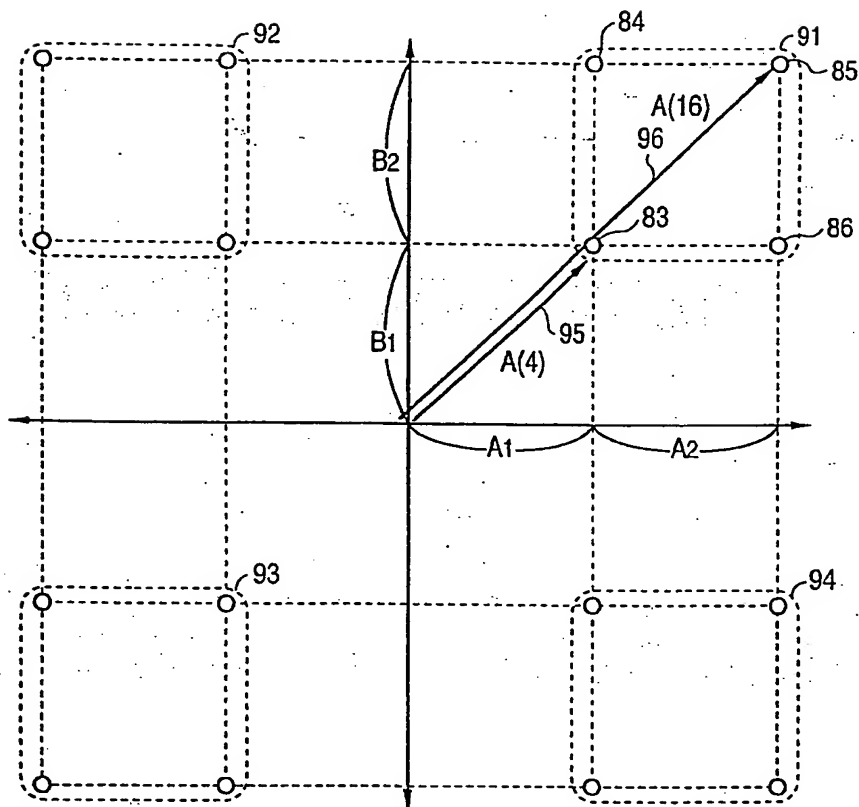


FIG. 11

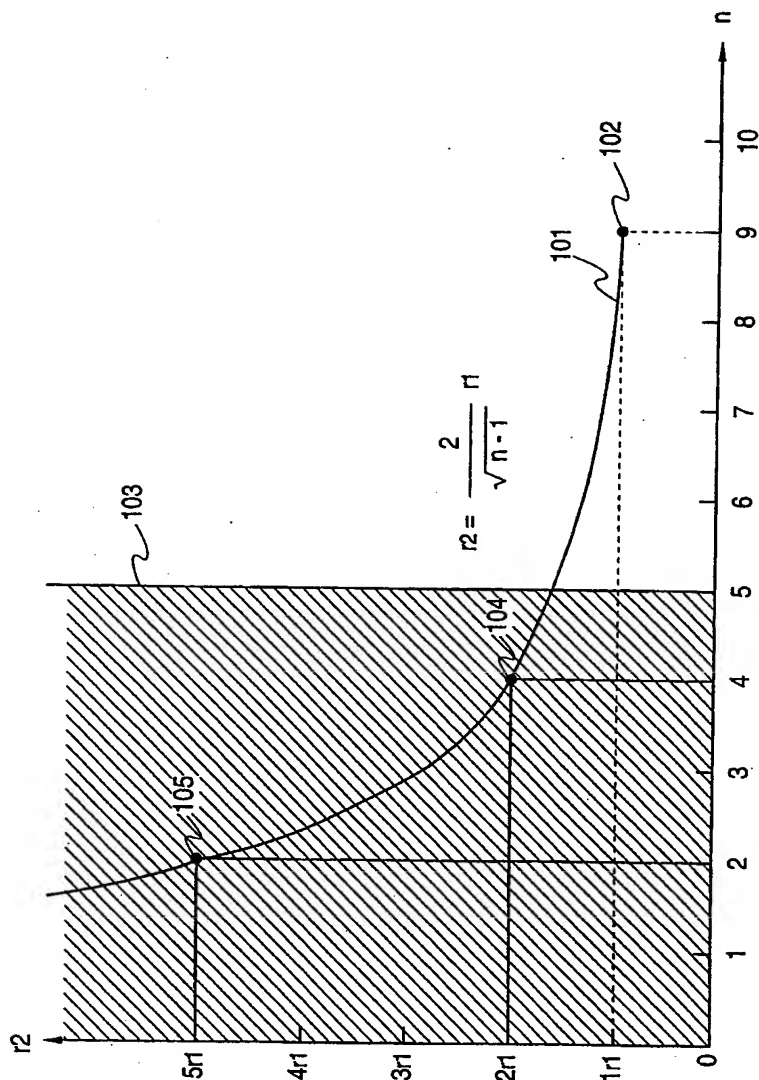


FIG. 12

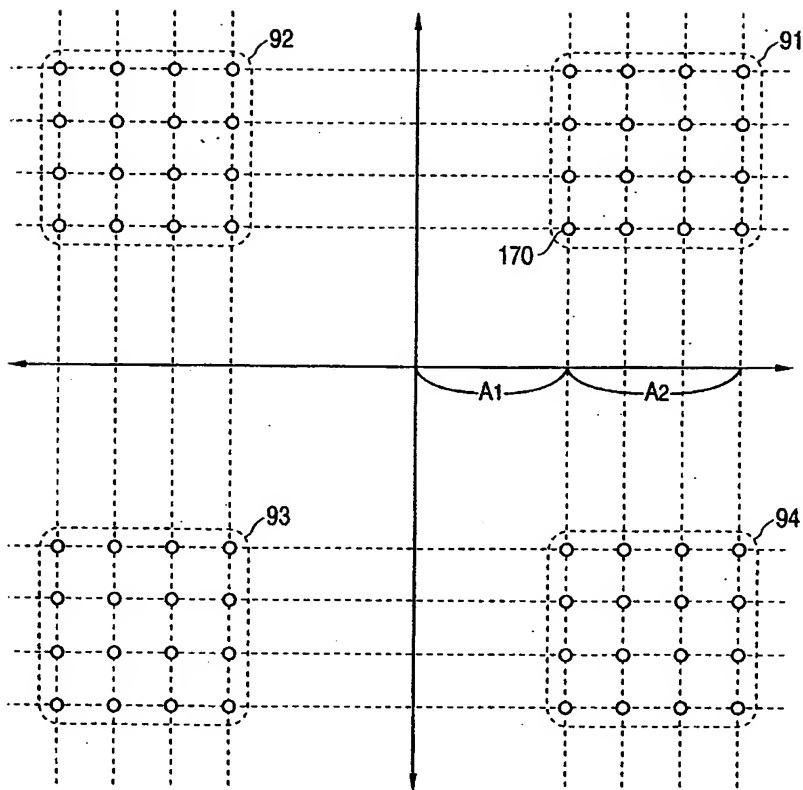


FIG. 13

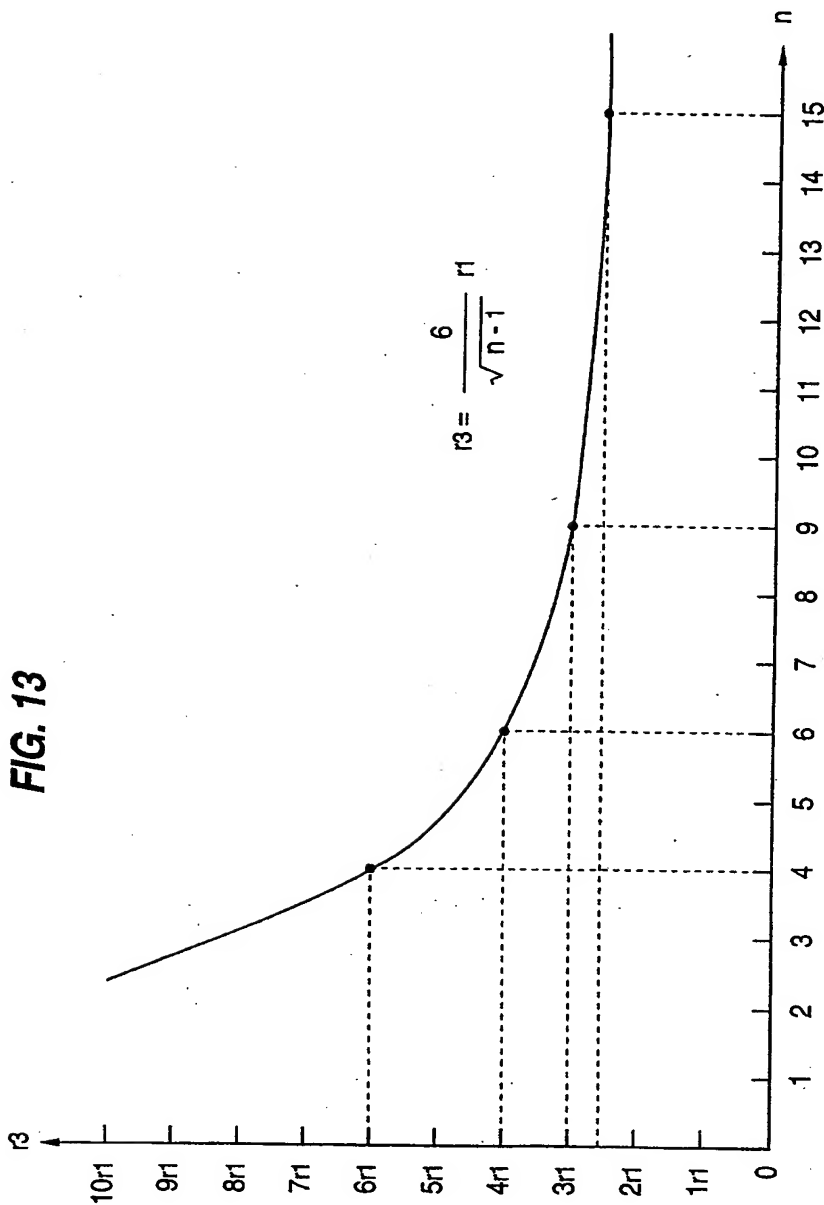


FIG. 14

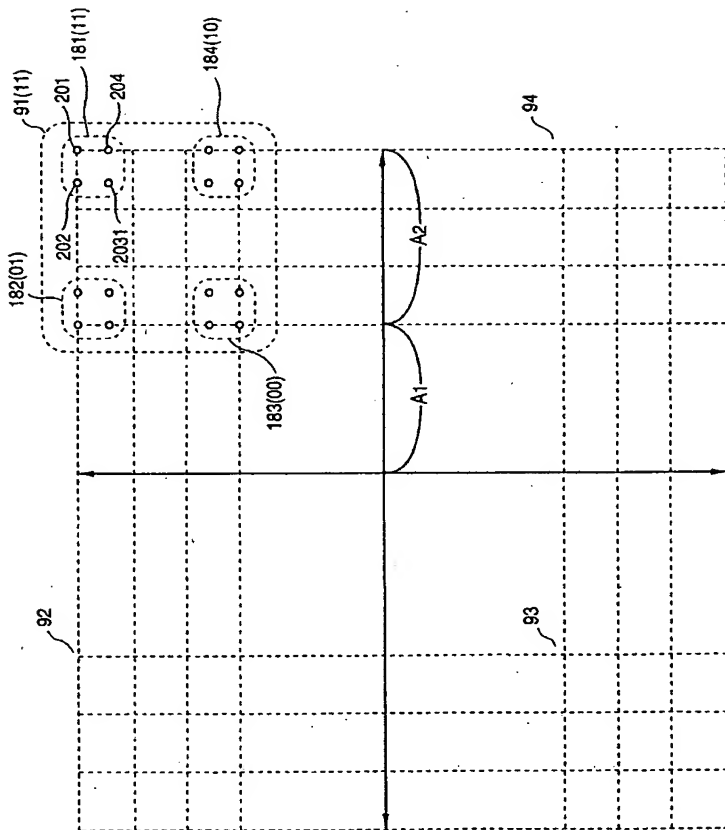


FIG. 15

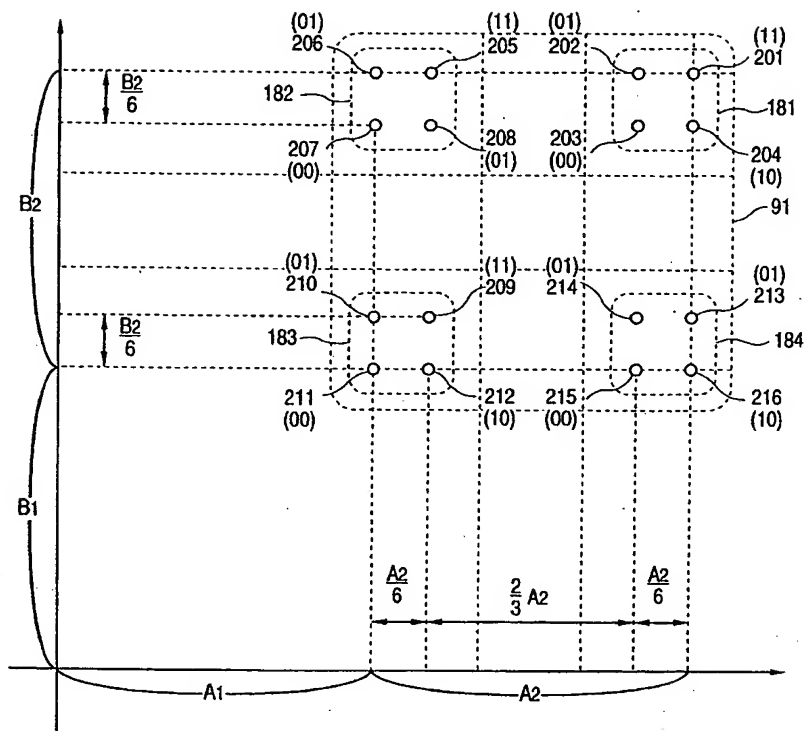


FIG. 16

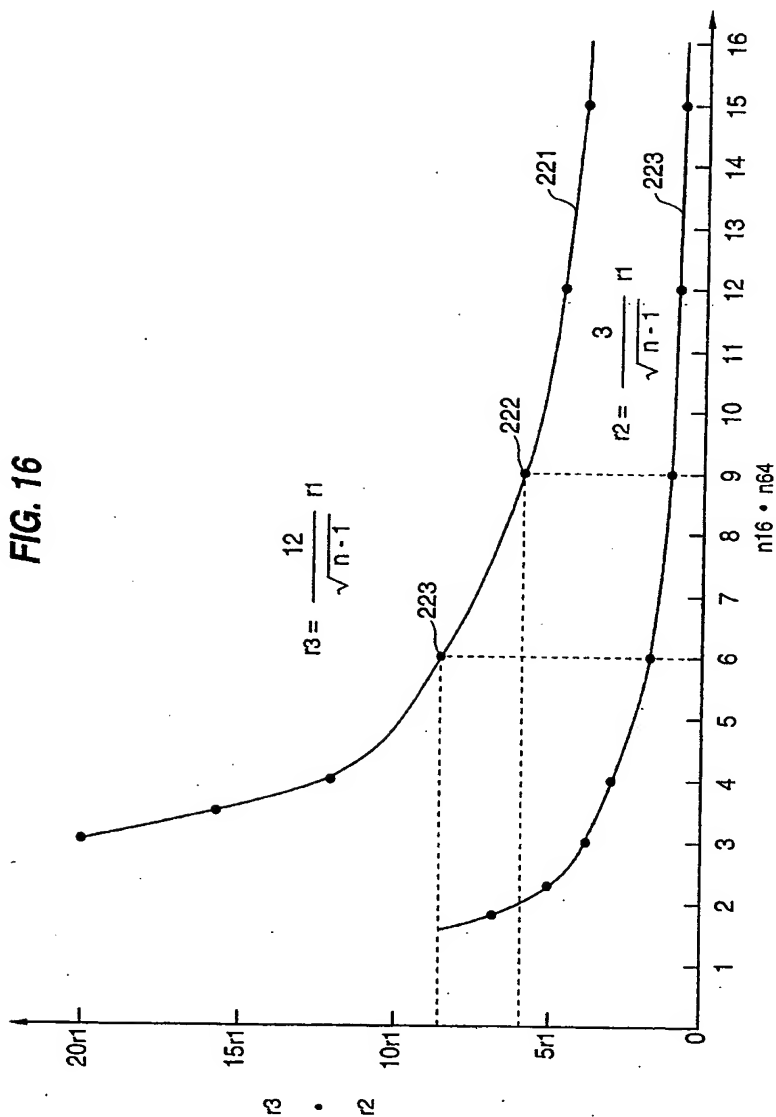


FIG. 17 (Amended)

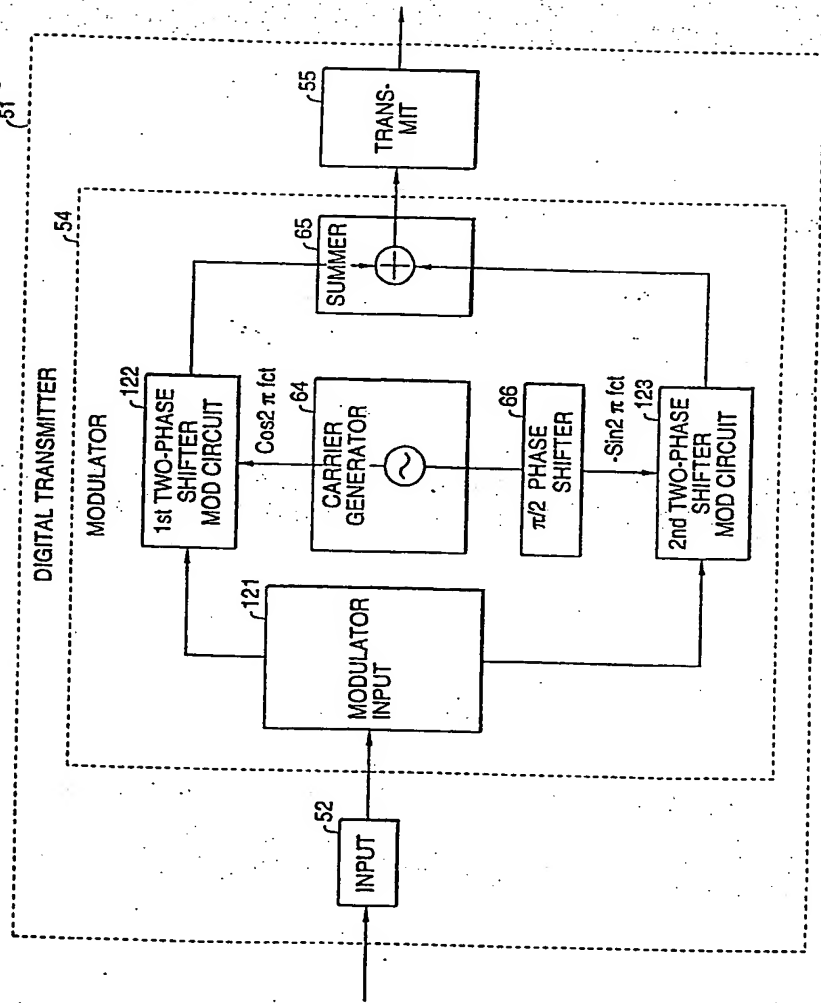


FIG. 18

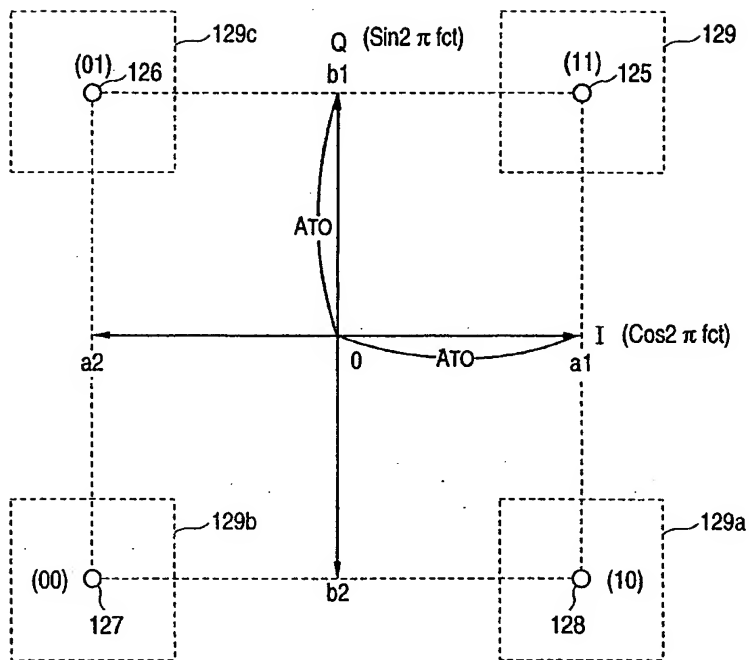


FIG. 19

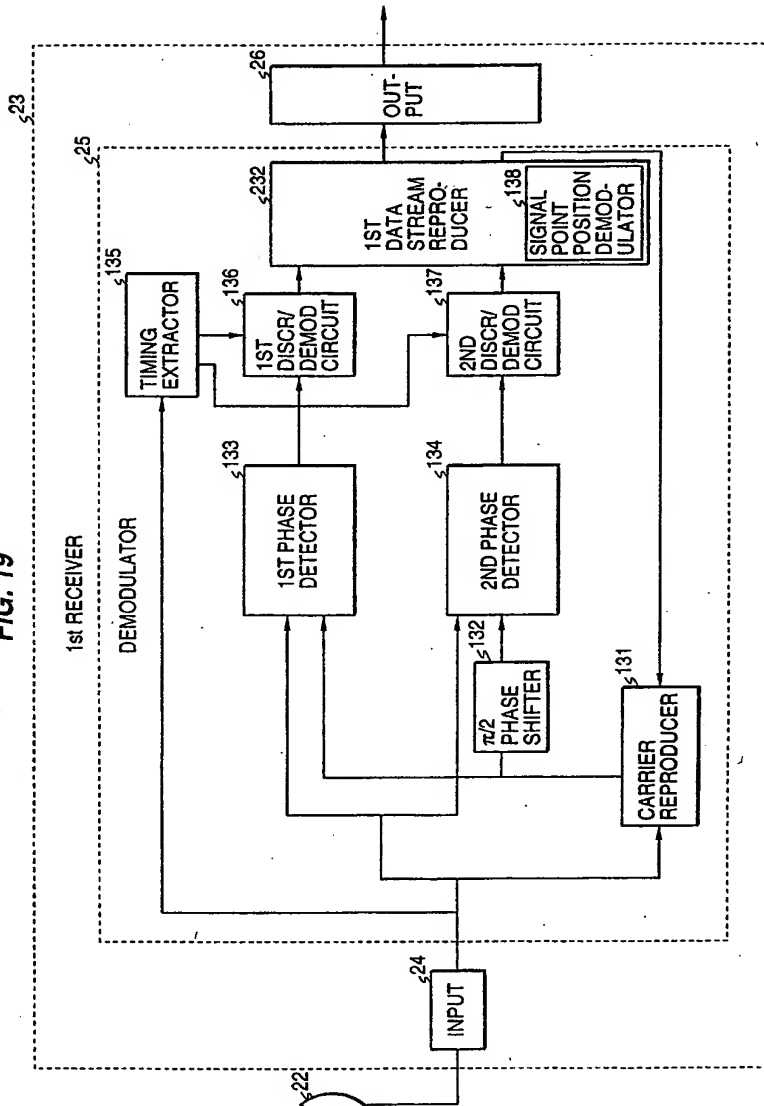


FIG. 20

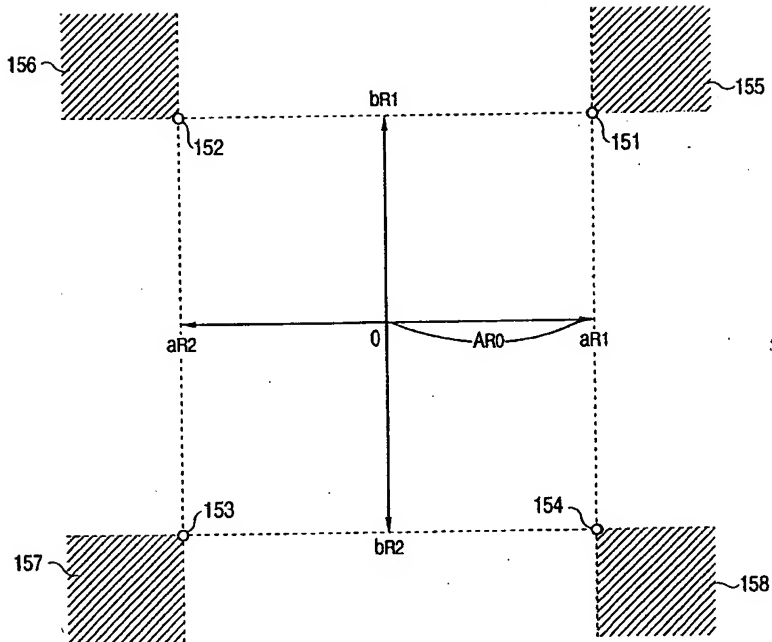


FIG. 21

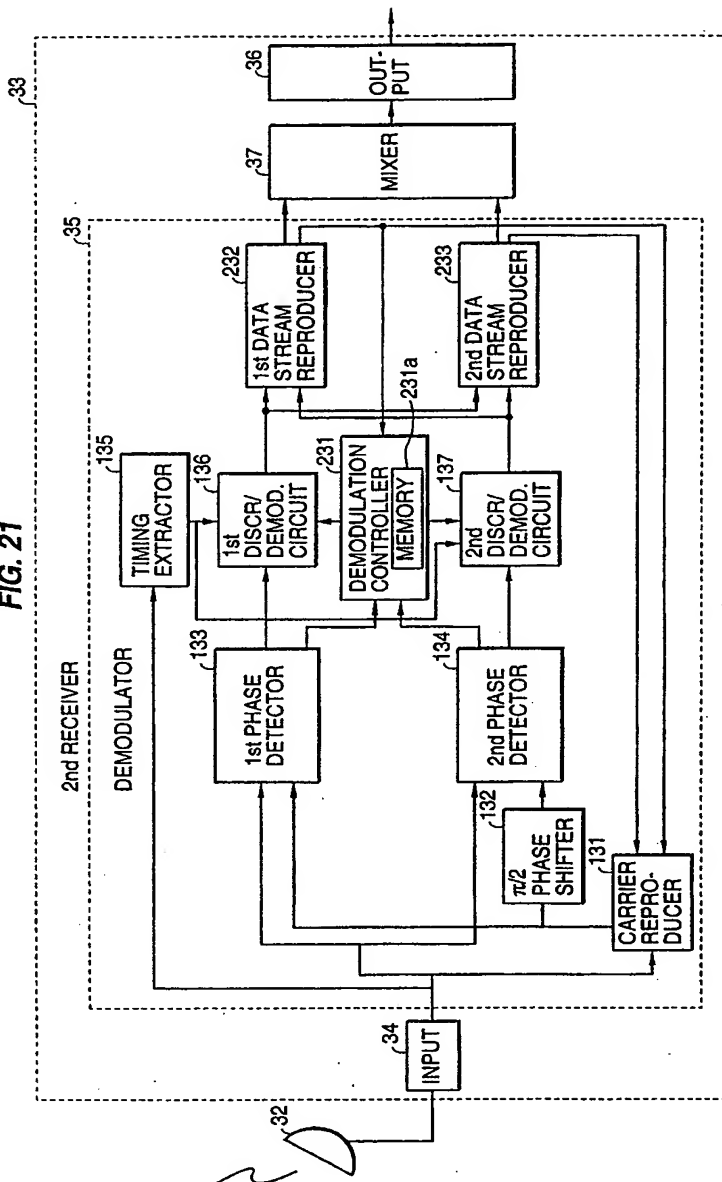


FIG. 22

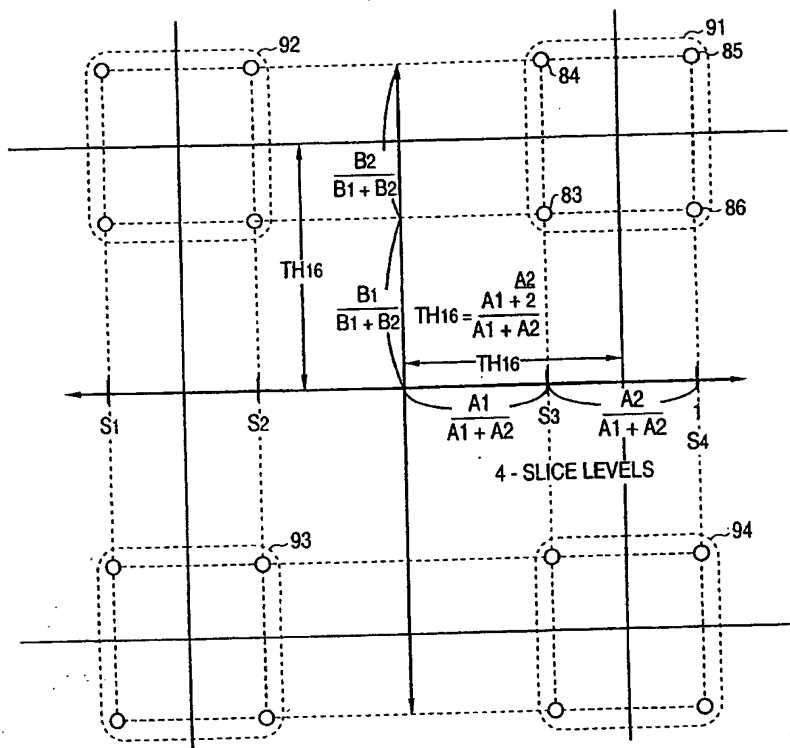


FIG. 23

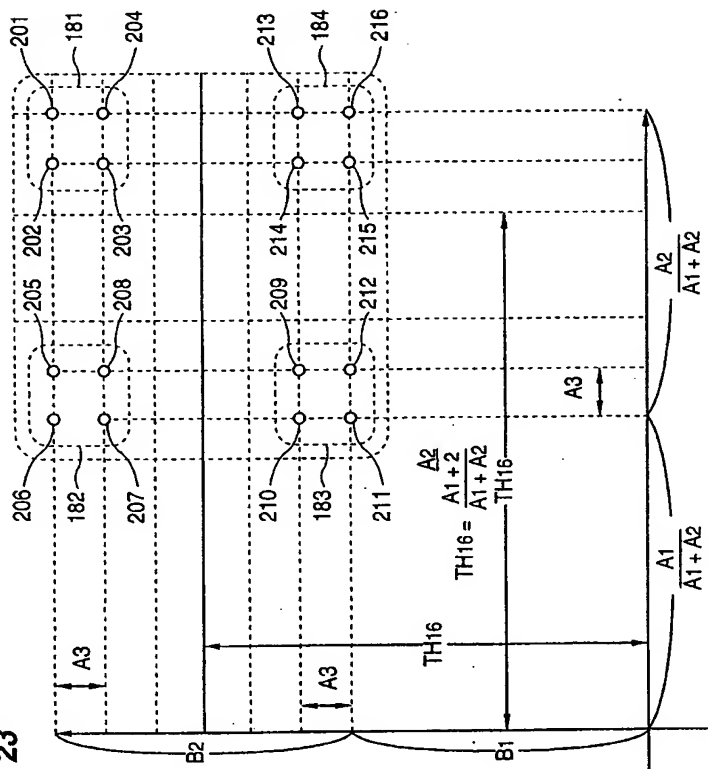


FIG. 24

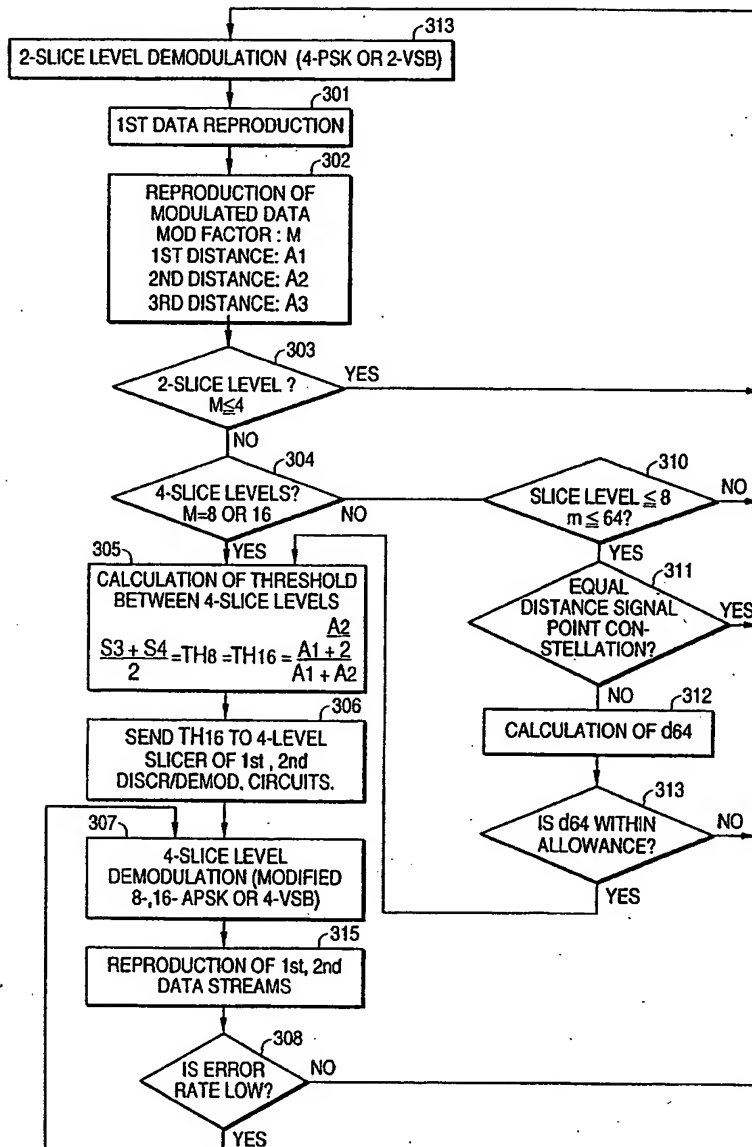


FIG. 25(a)

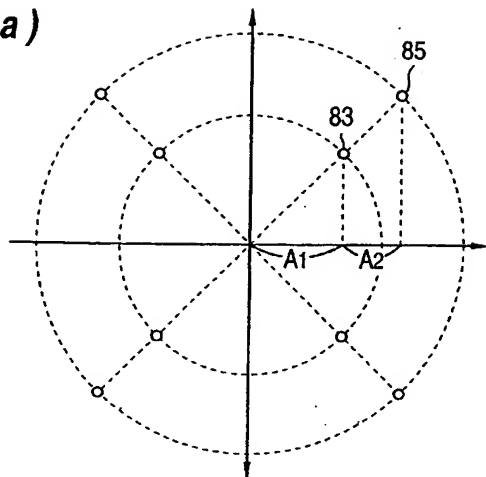


FIG. 25(b)

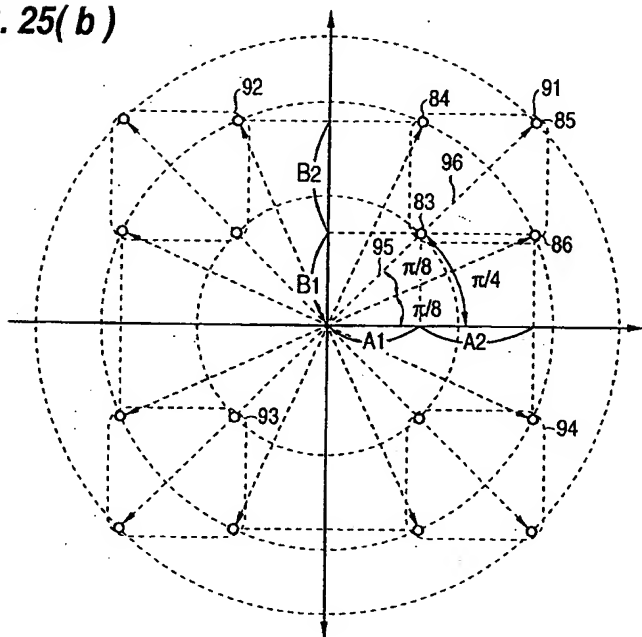


FIG. 26

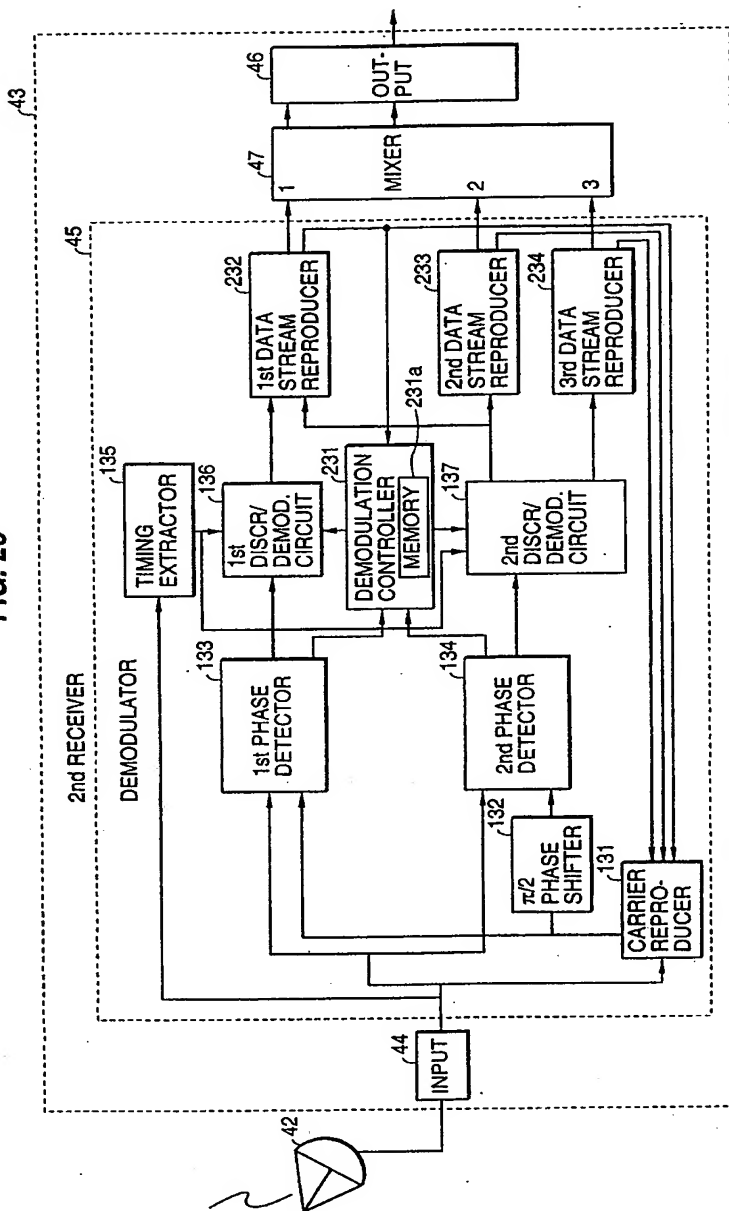


FIG. 27

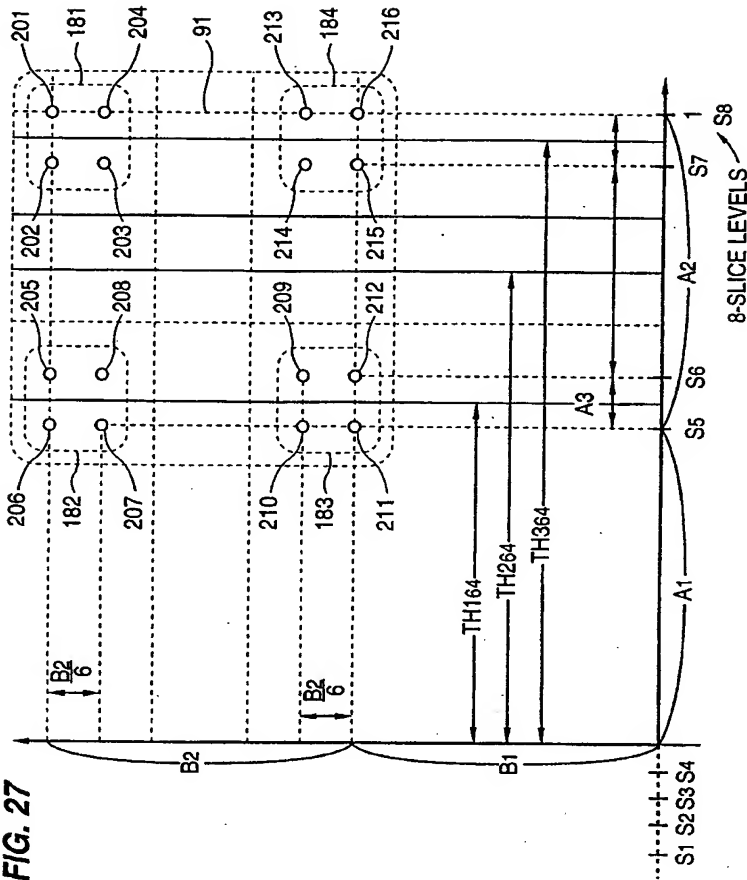


FIG. 28

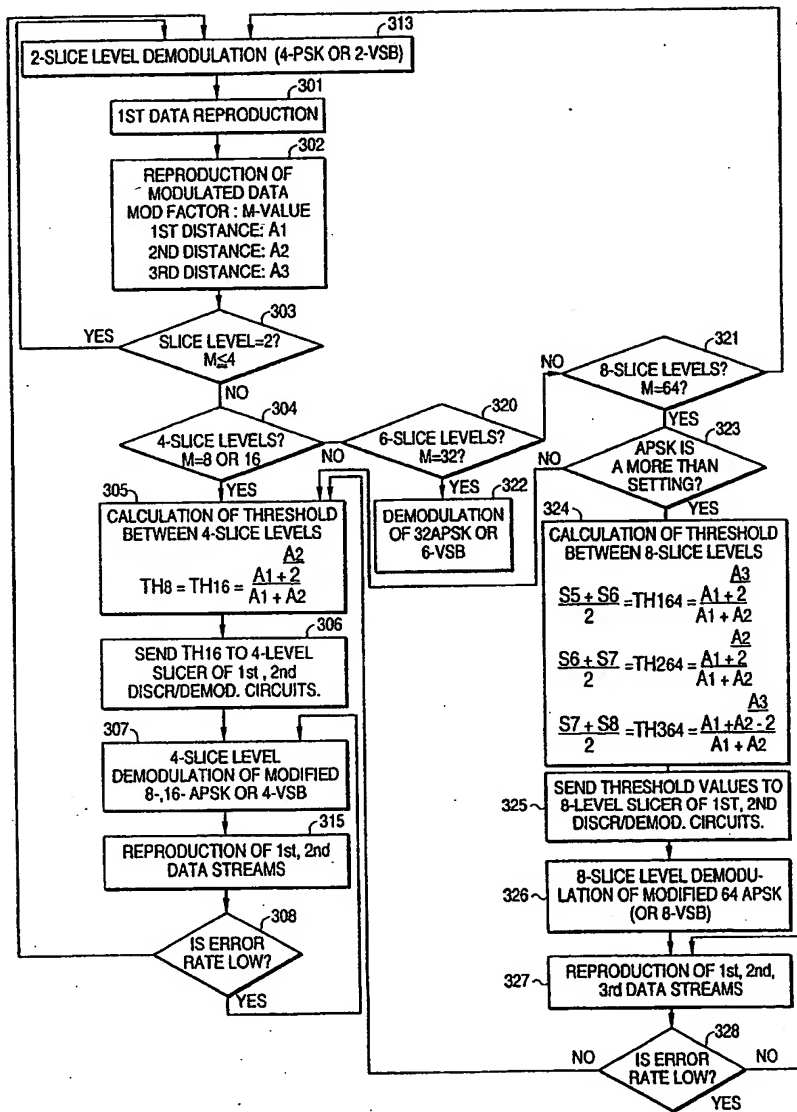


FIG. 29 (Amended)

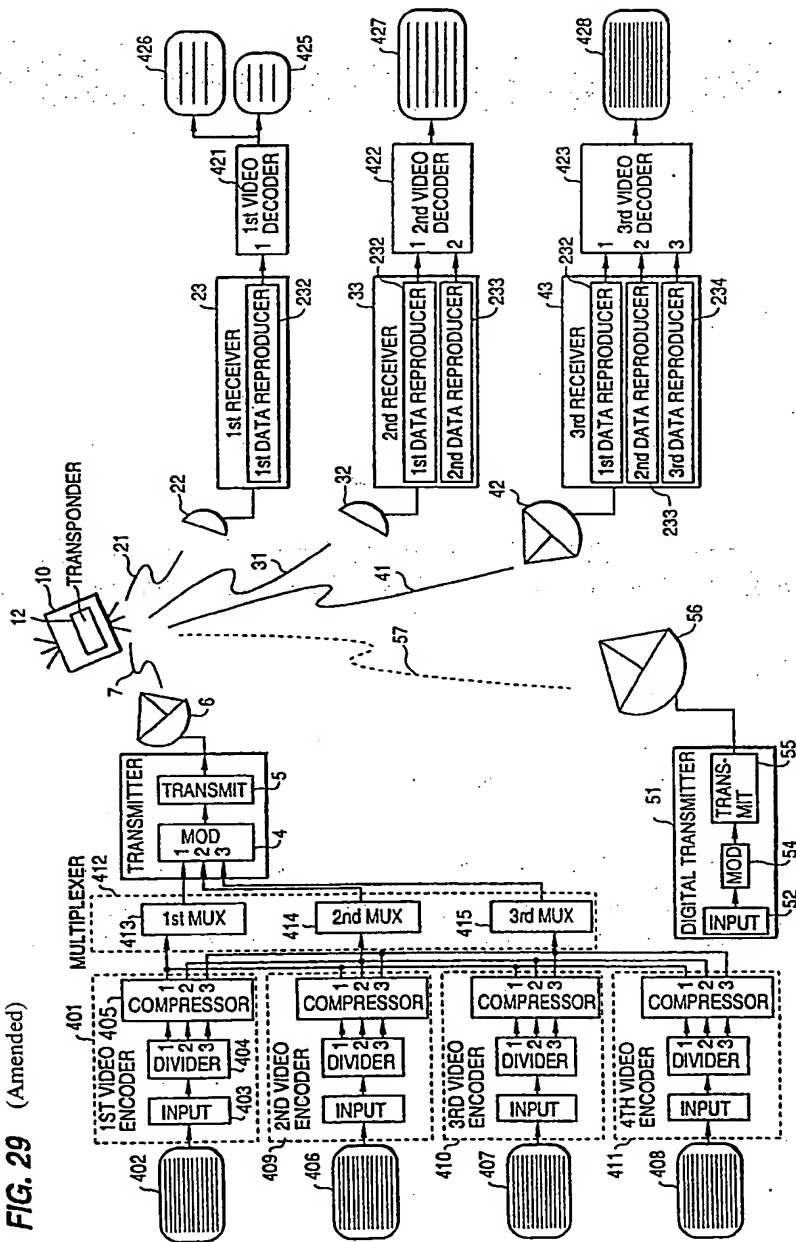


FIG. 30

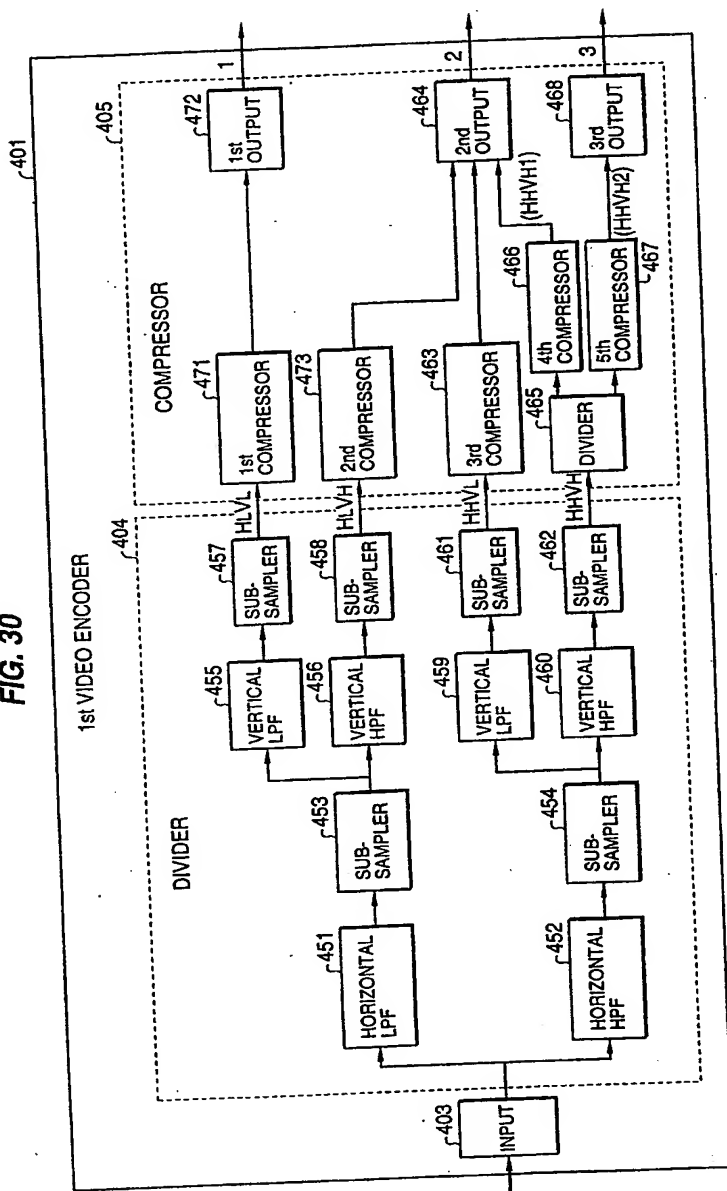


FIG. 31

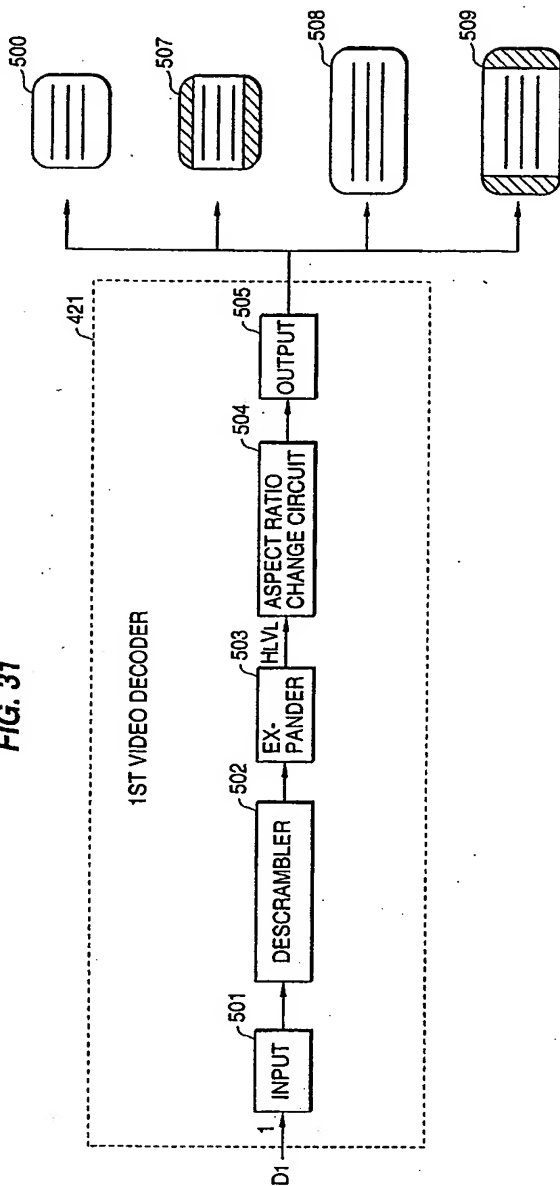


FIG. 32

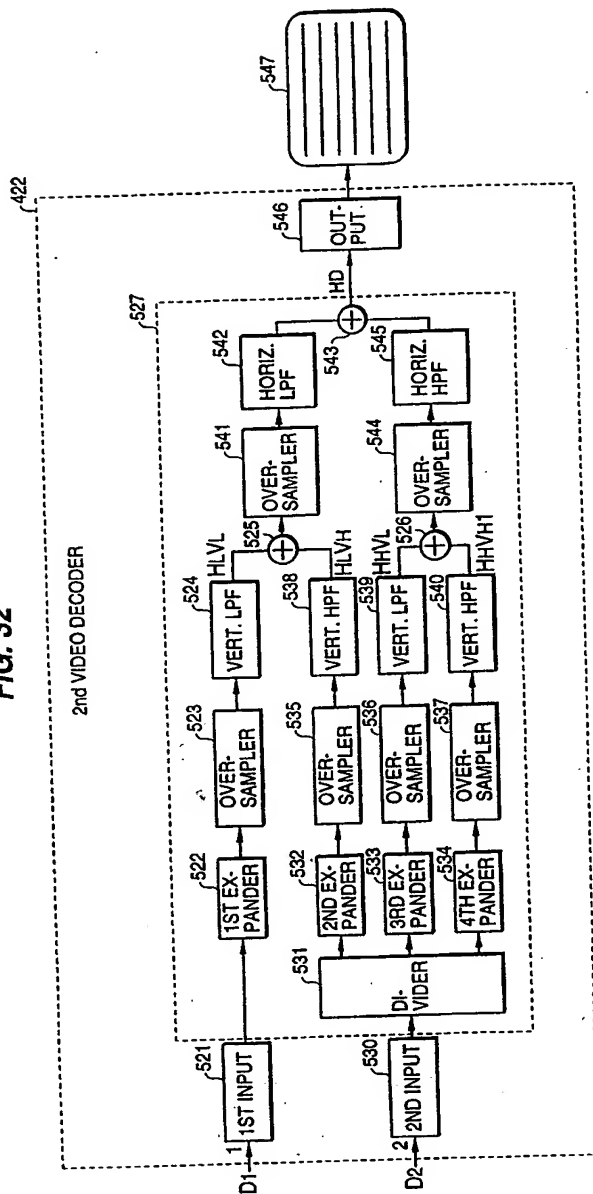


FIG. 33

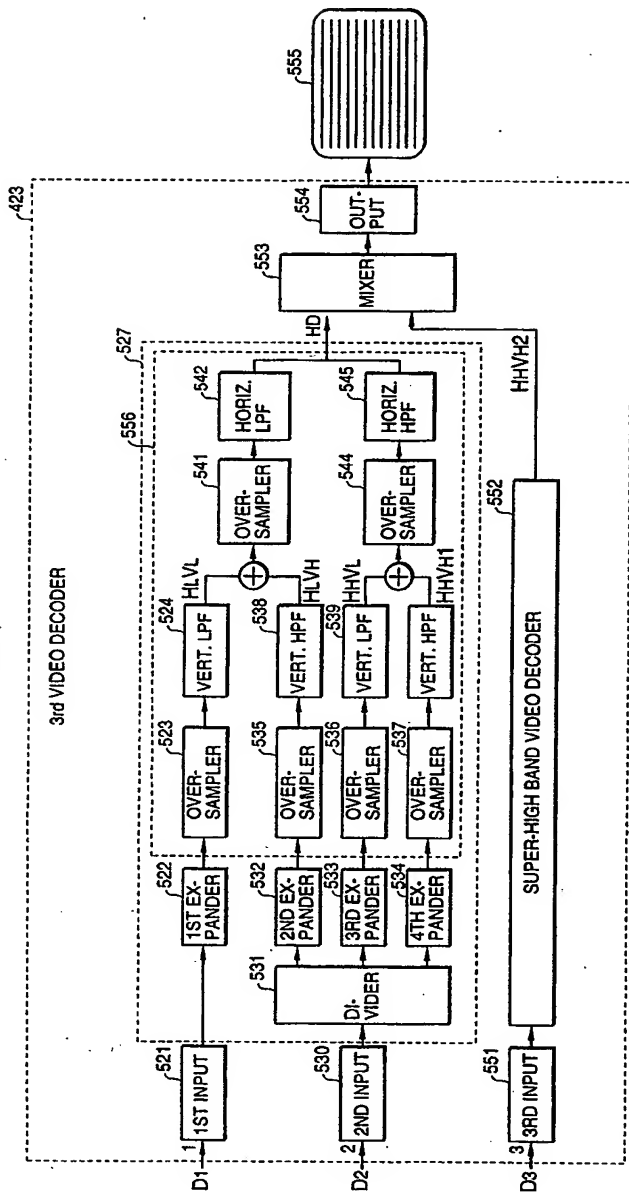


FIG. 34

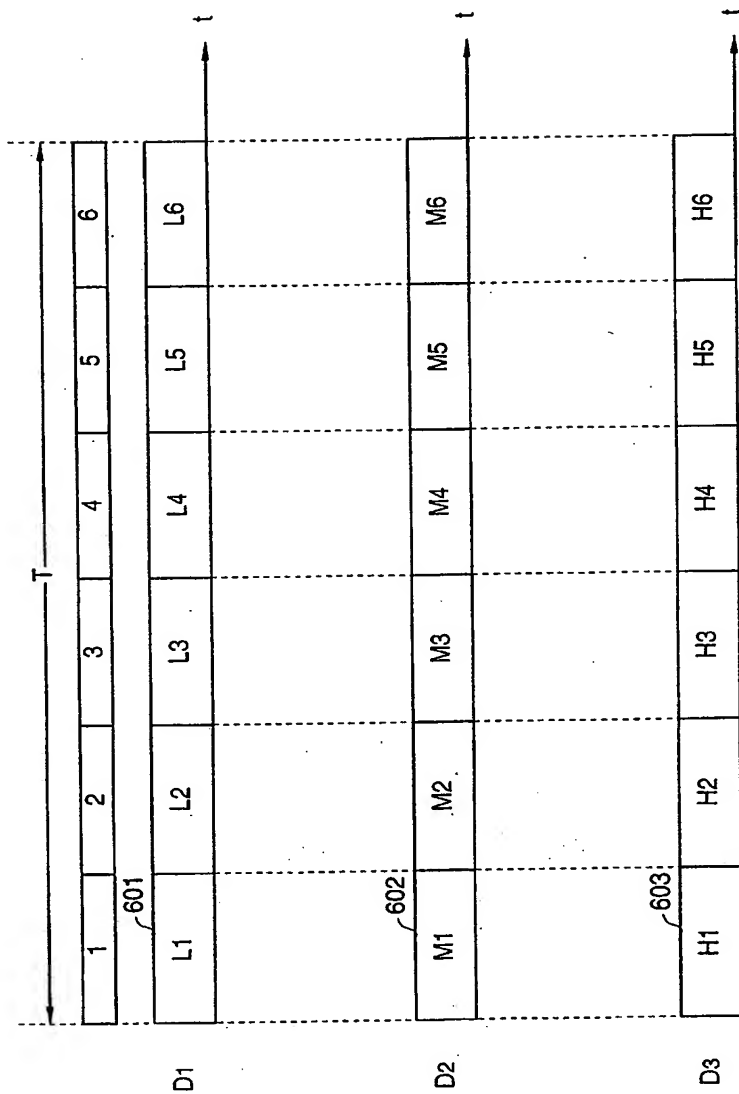


FIG. 35

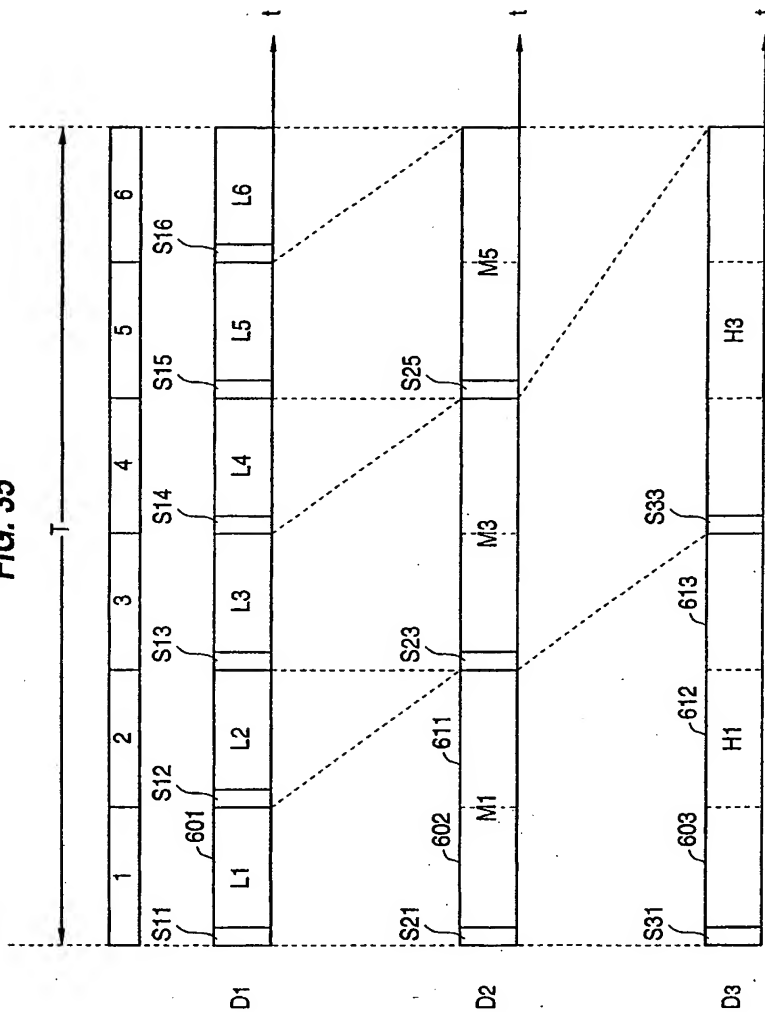


FIG. 36

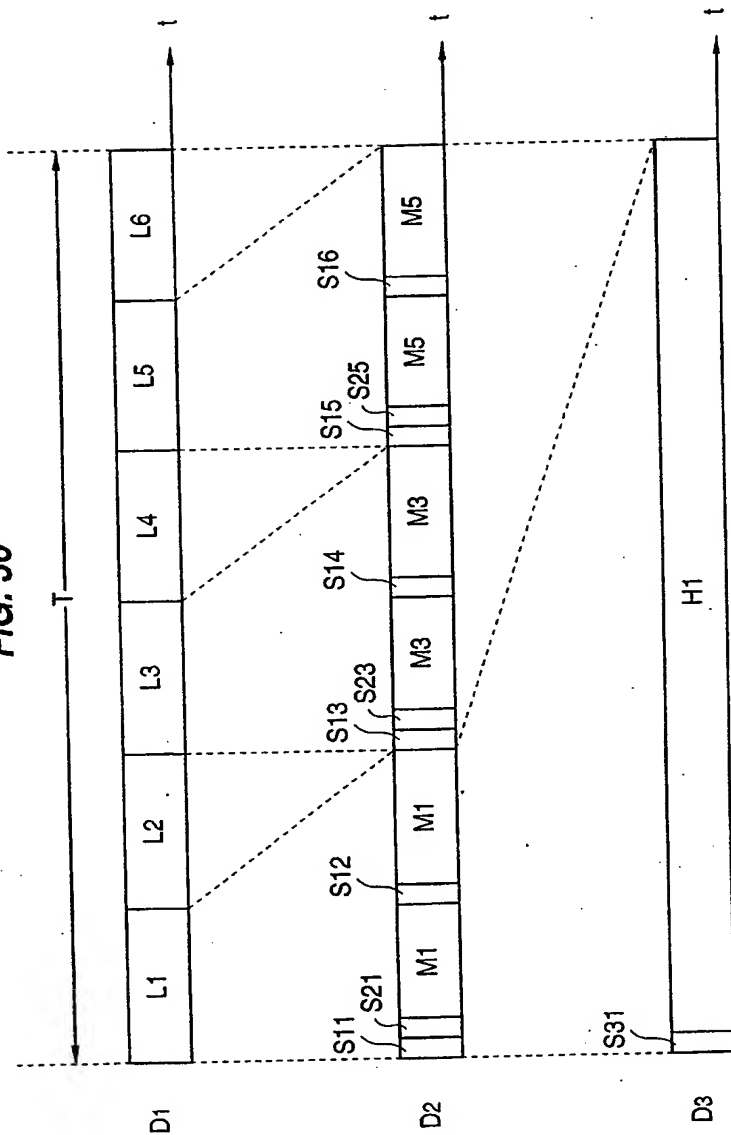


FIG. 37

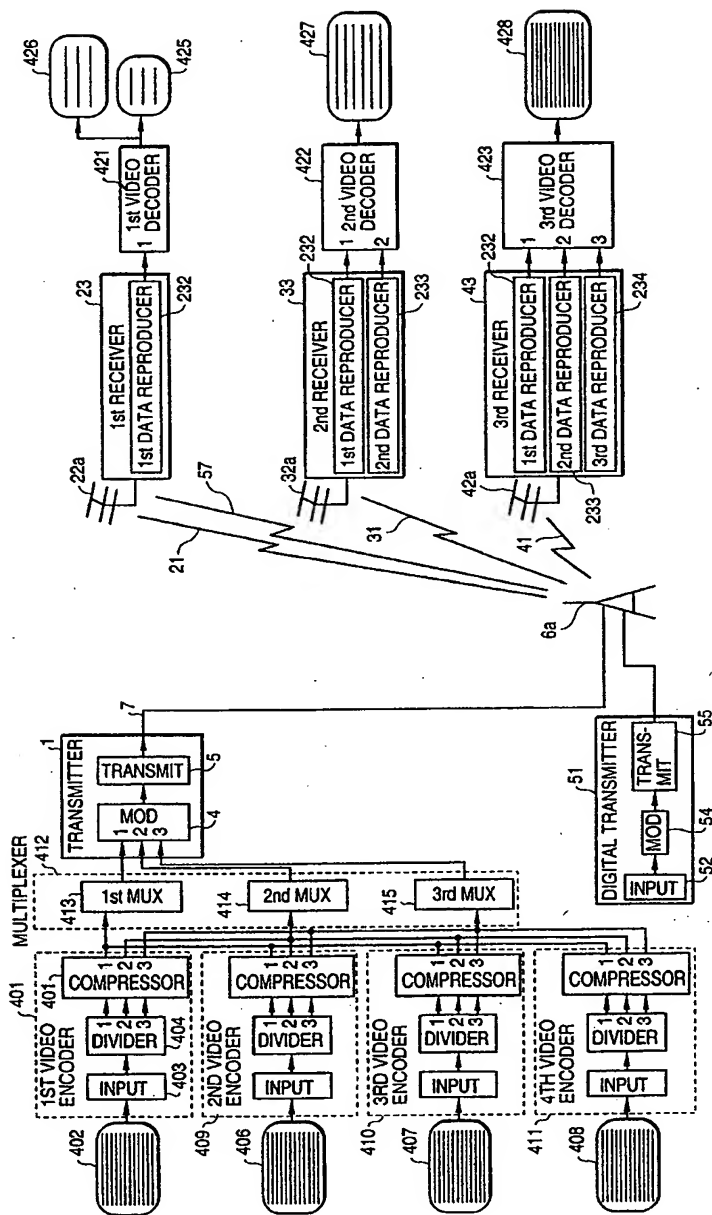


FIG. 38

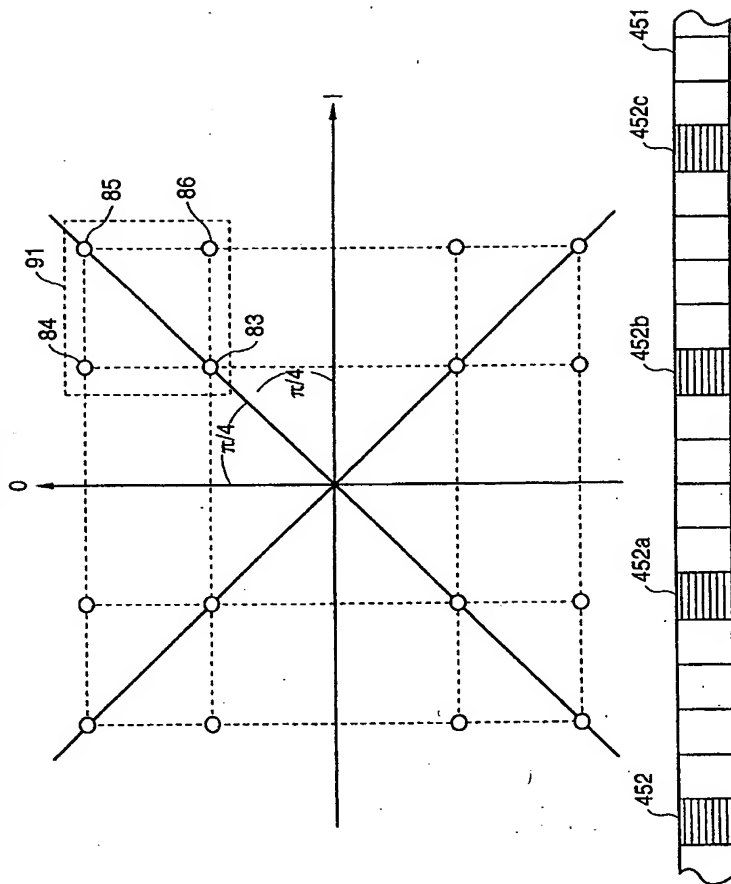


FIG. 39

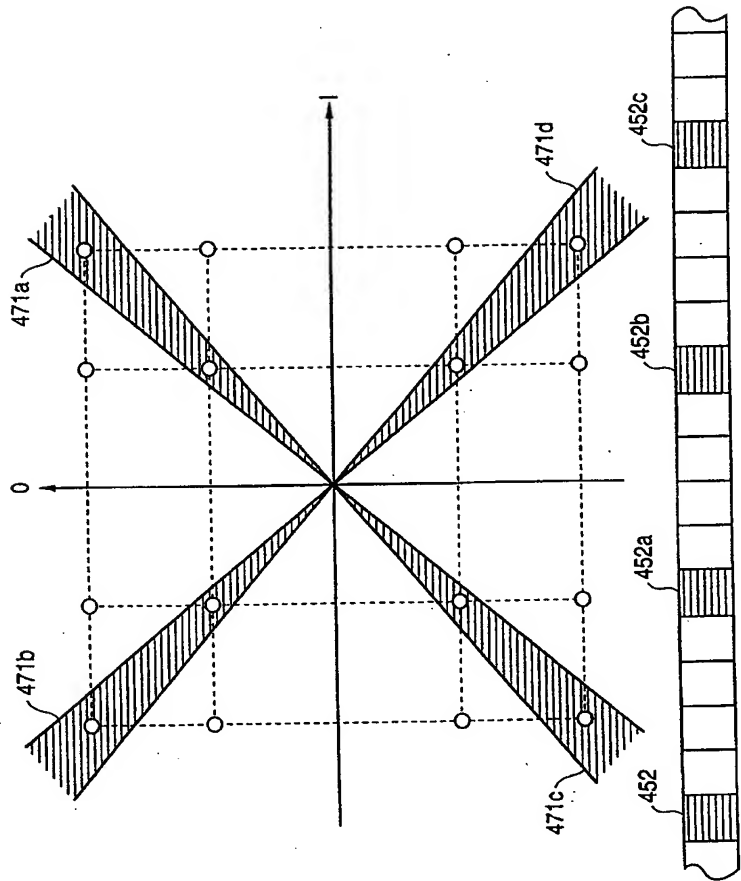


FIG. 40

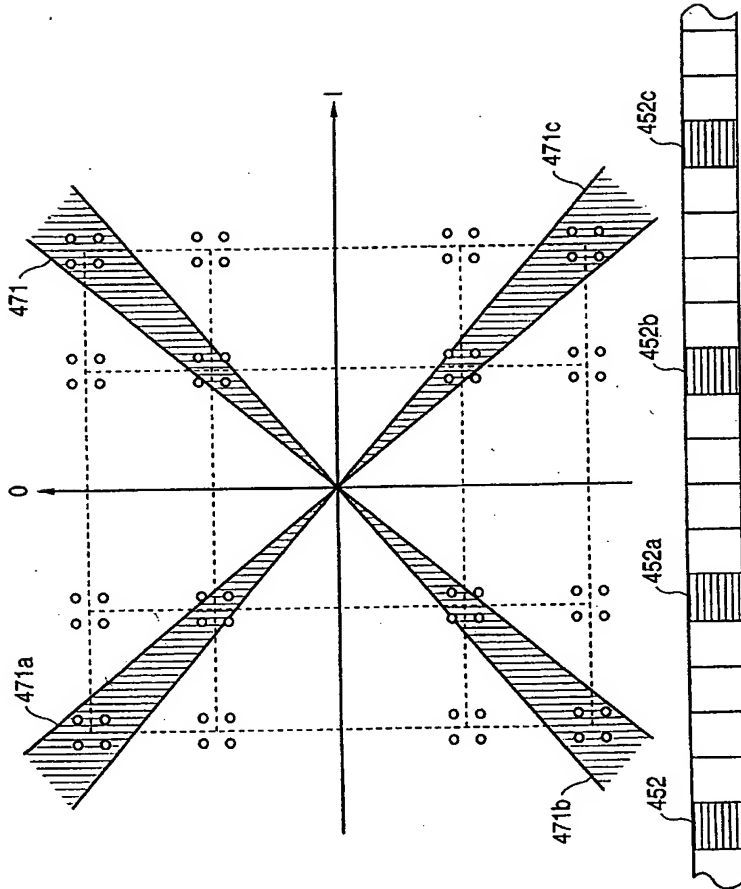


FIG. 41

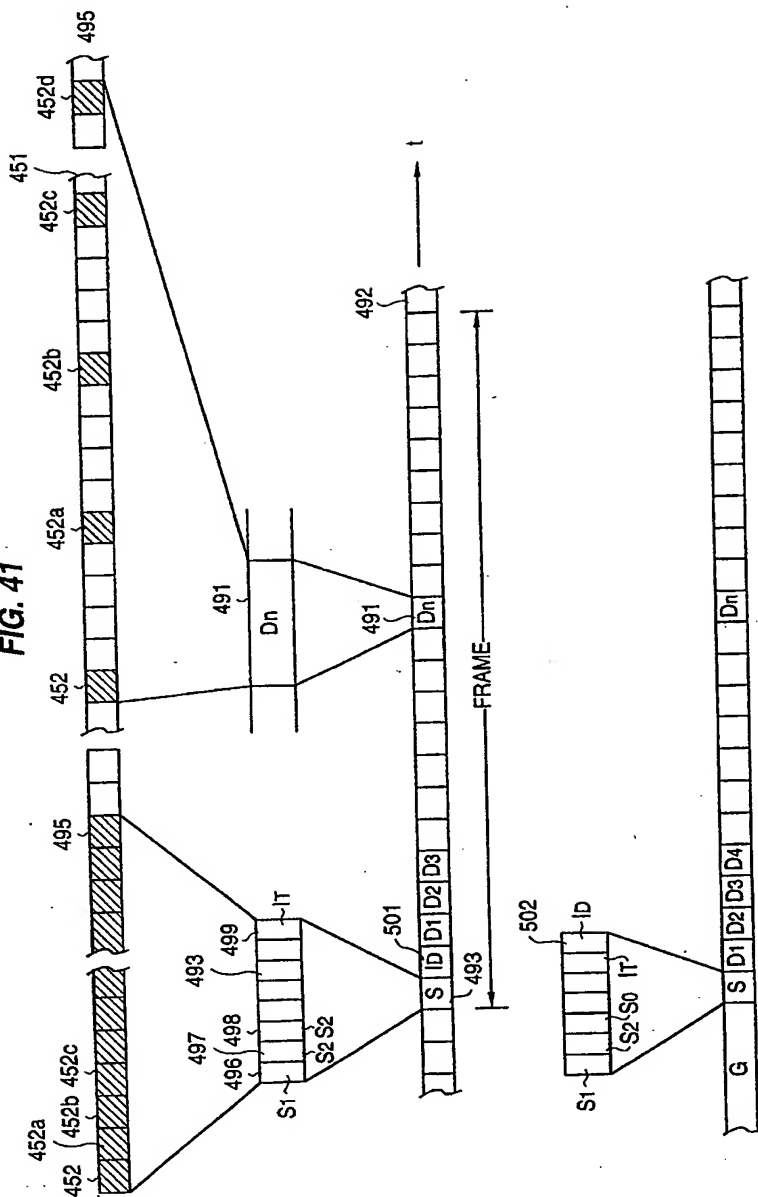


FIG. 42

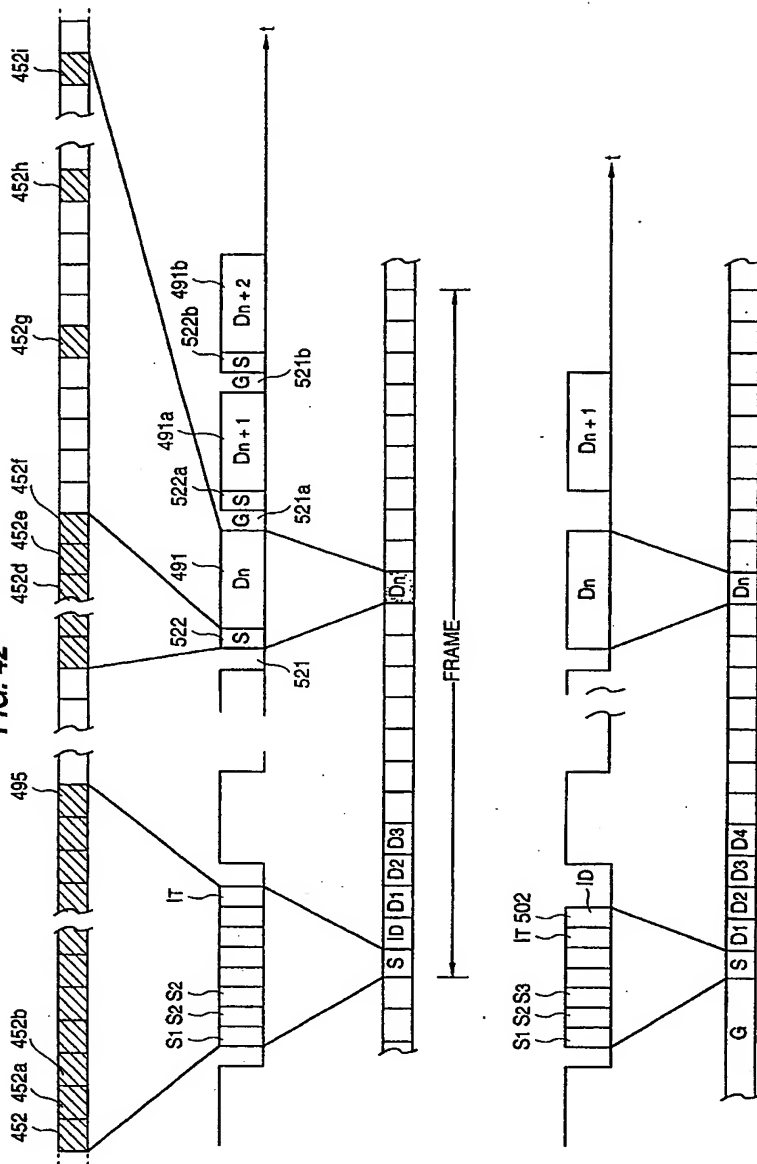


FIG. 43

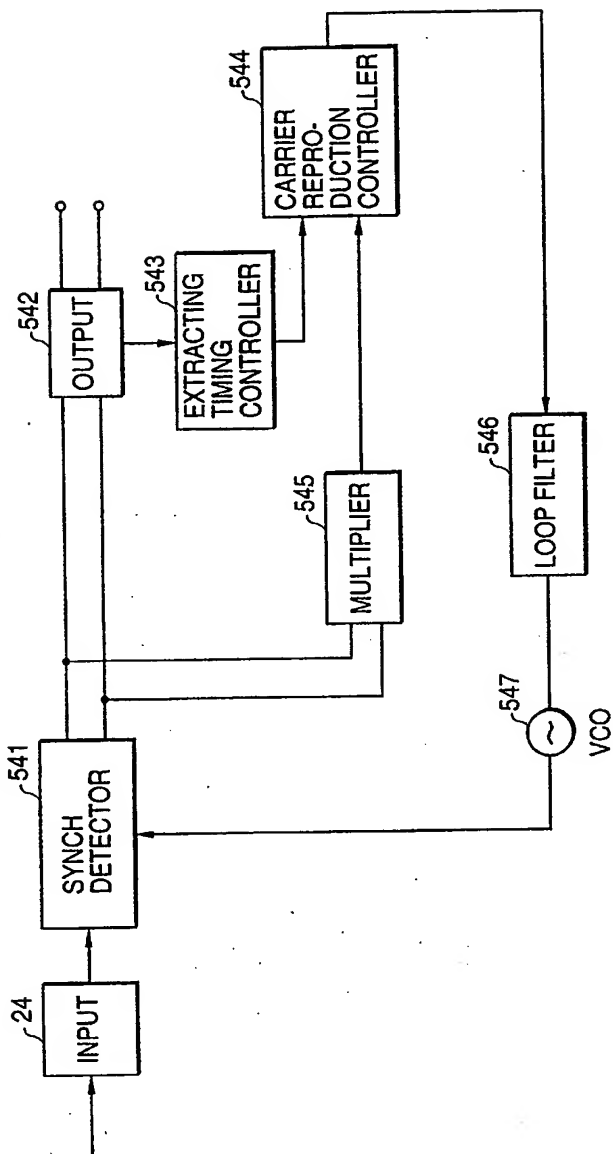


FIG. 44

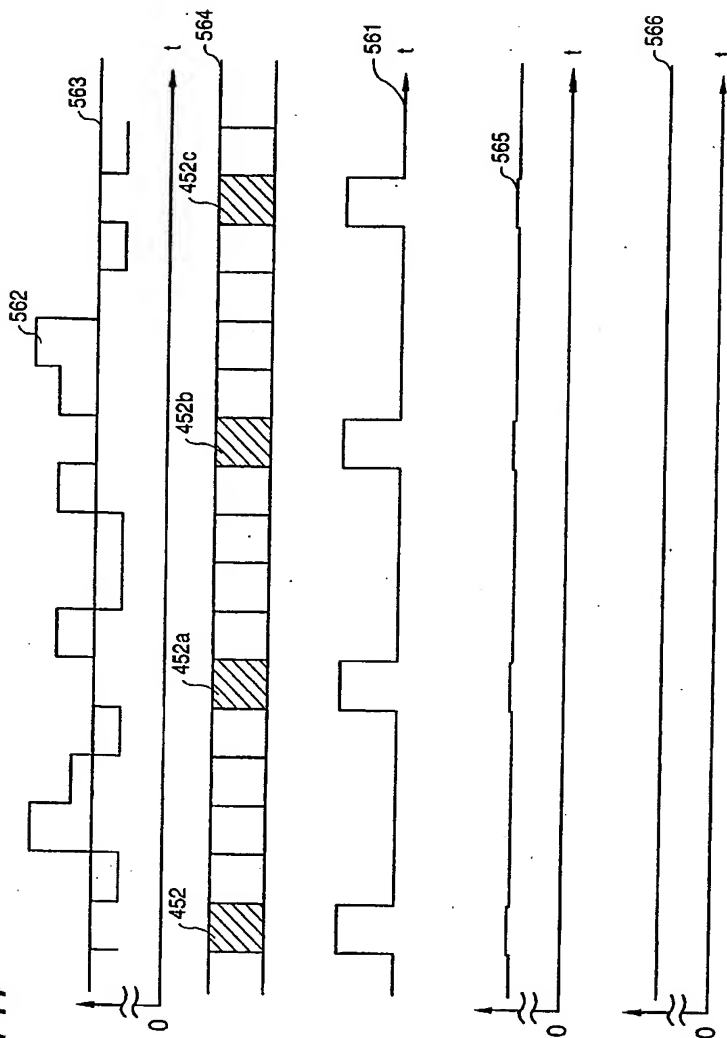


FIG. 45

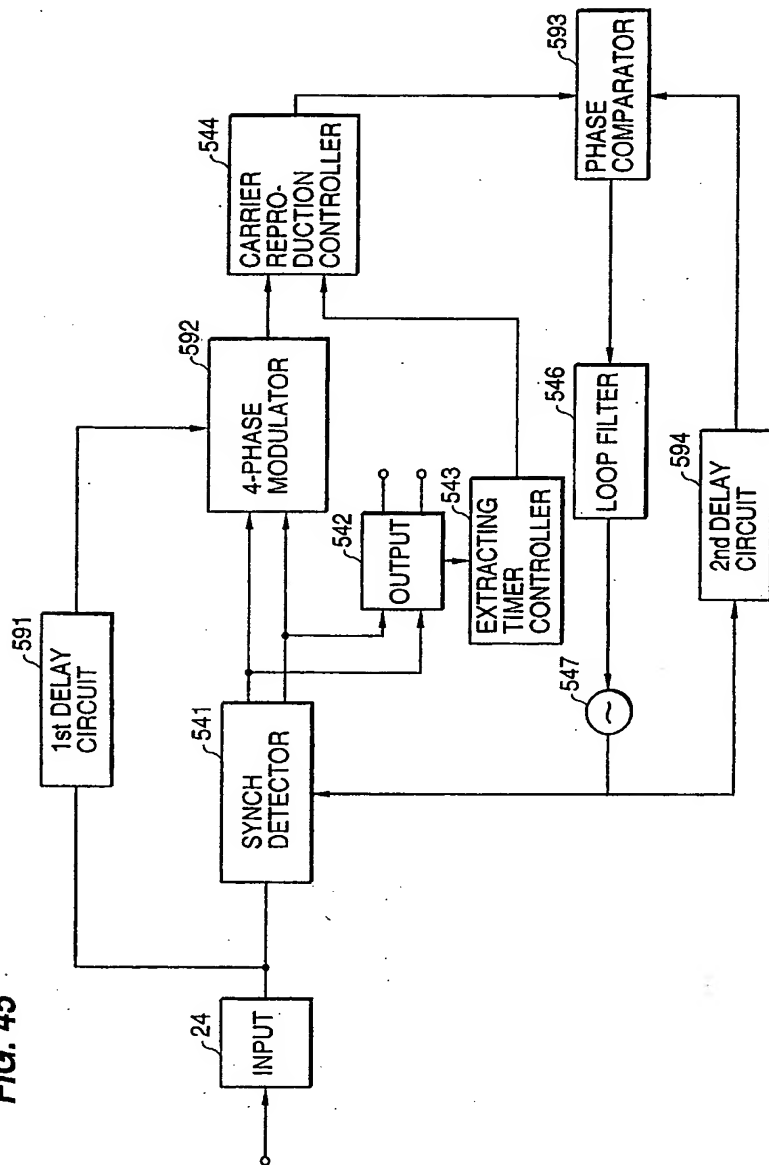


FIG. 46

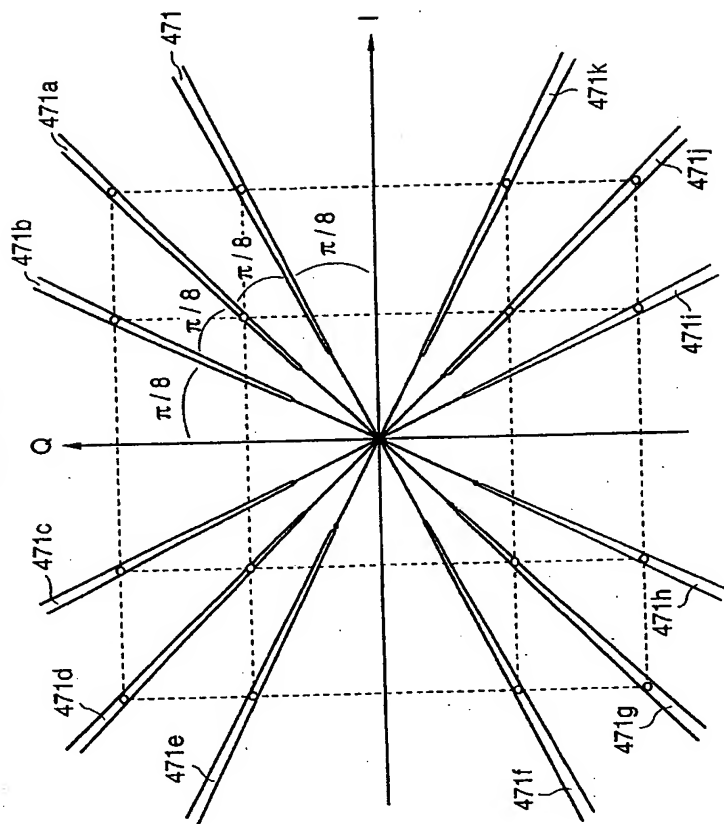


FIG. 47

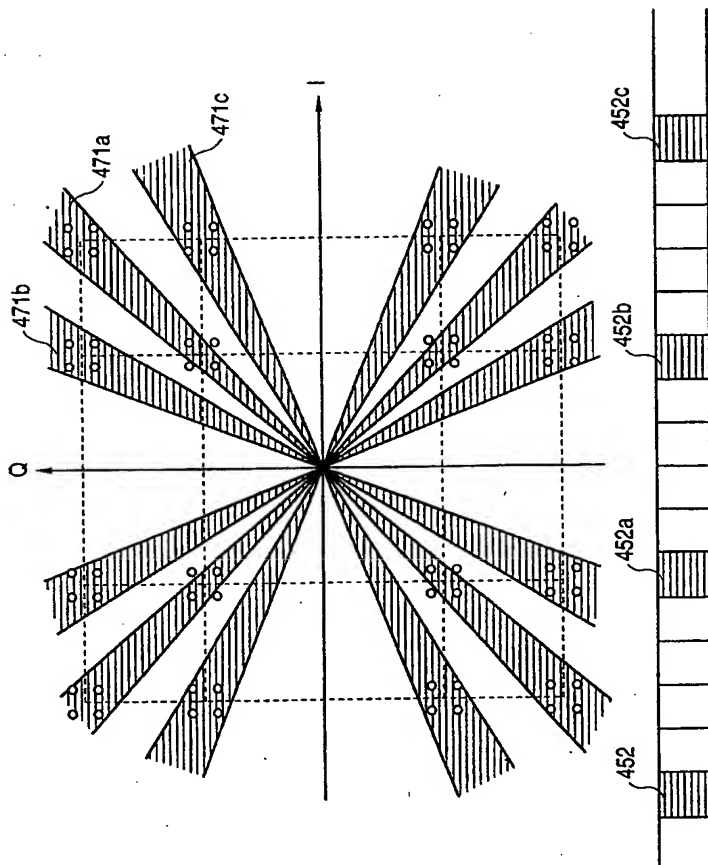


FIG. 48 (Amended)

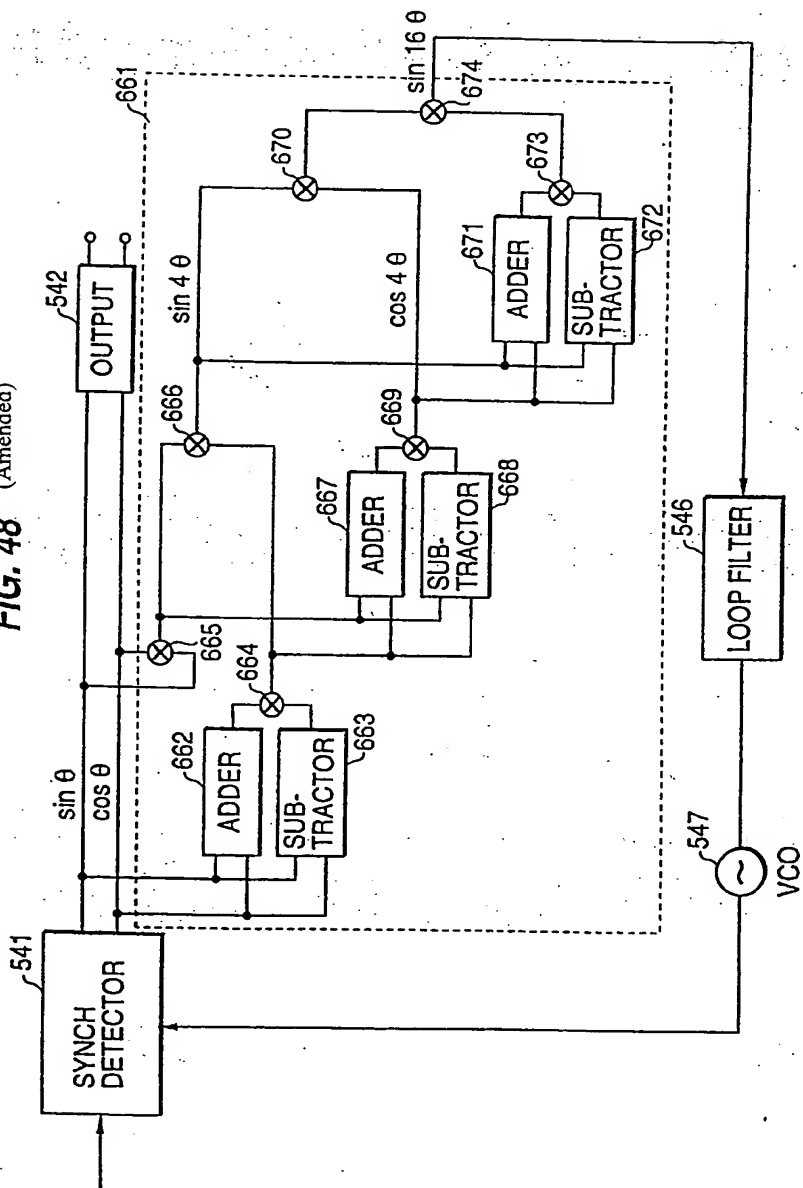


FIG. 49

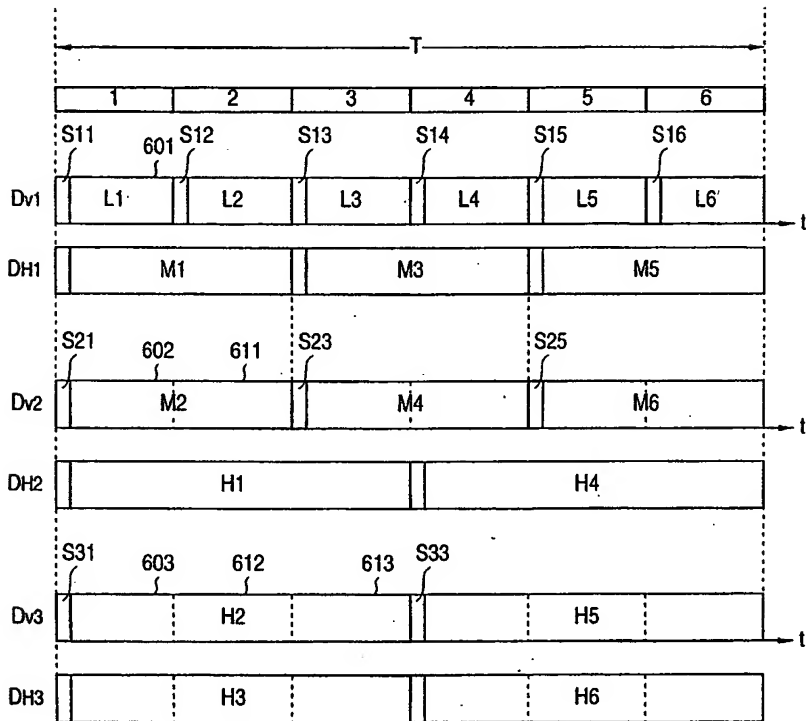


FIG. 50

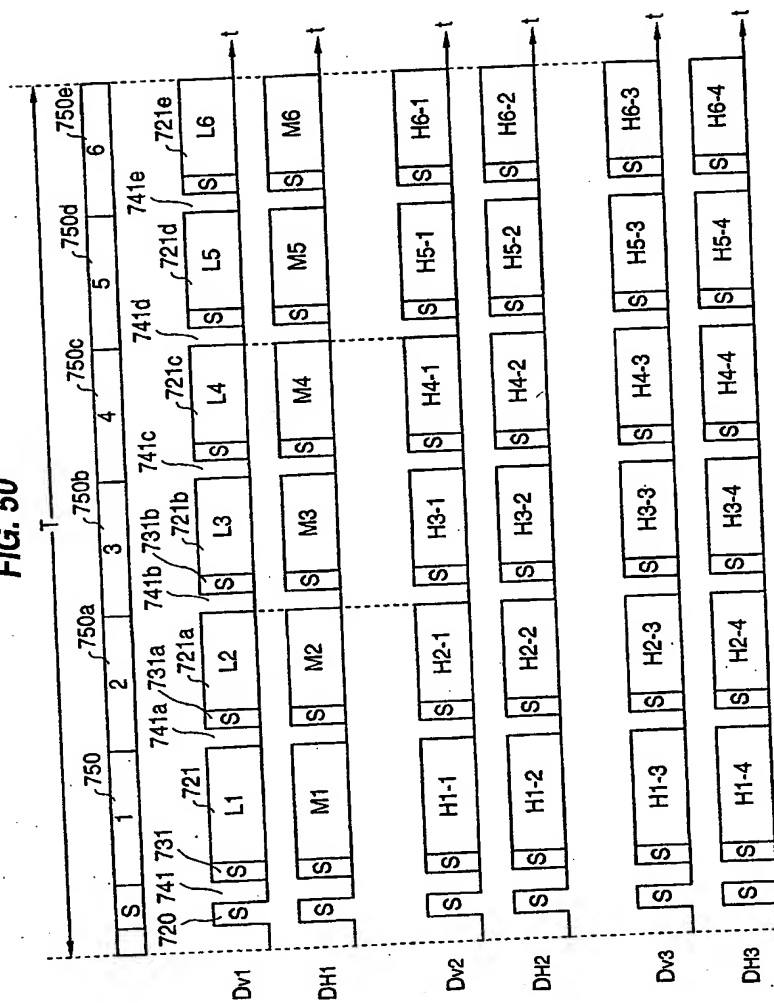


FIG. 51

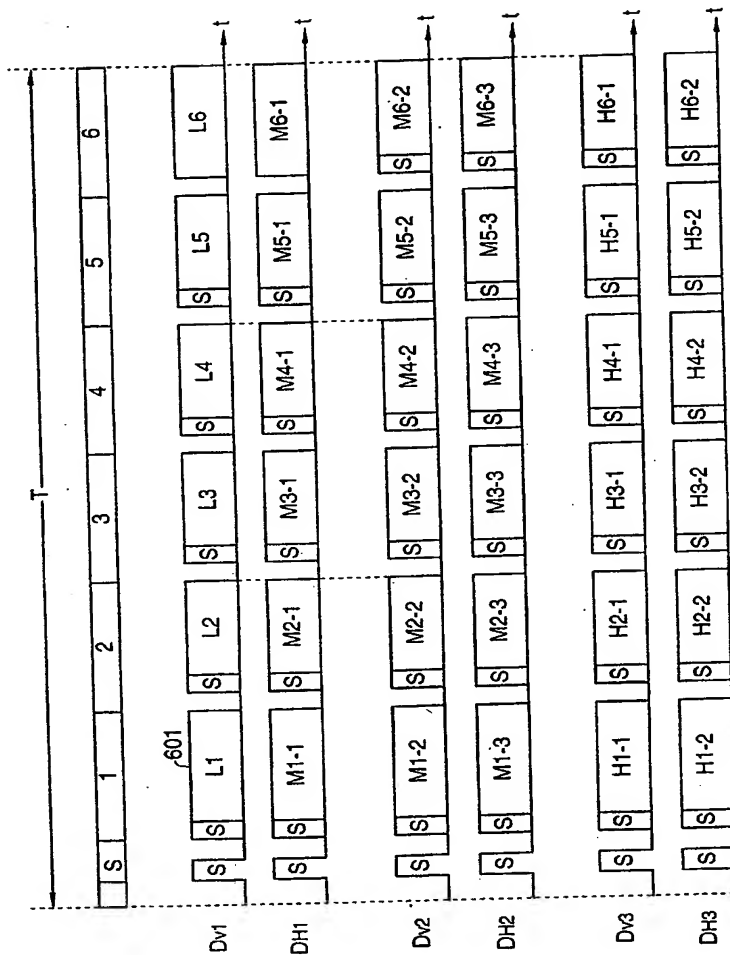


FIG. 52

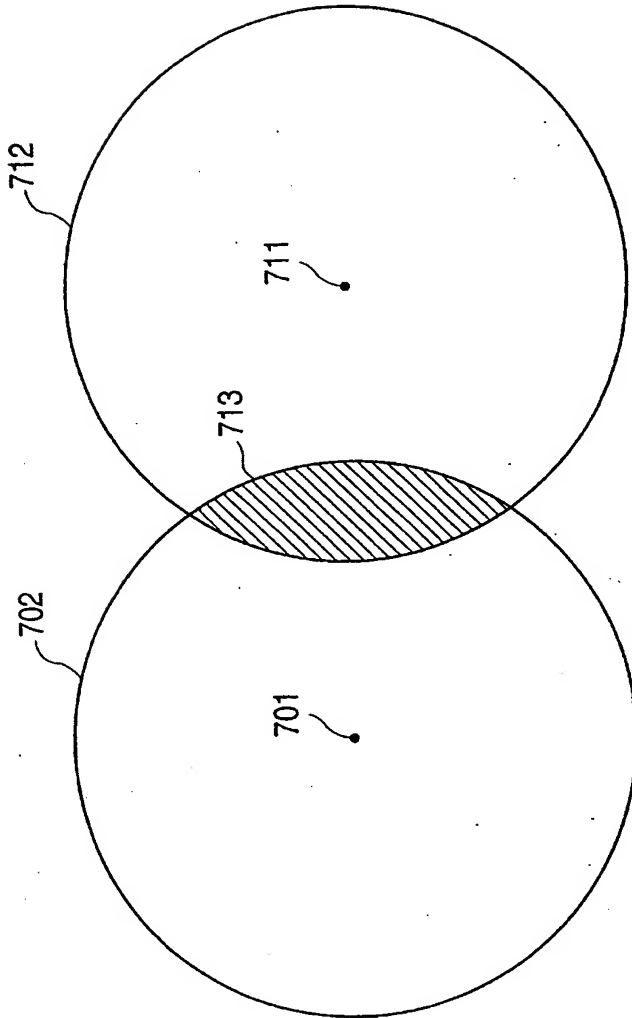


FIG. 53

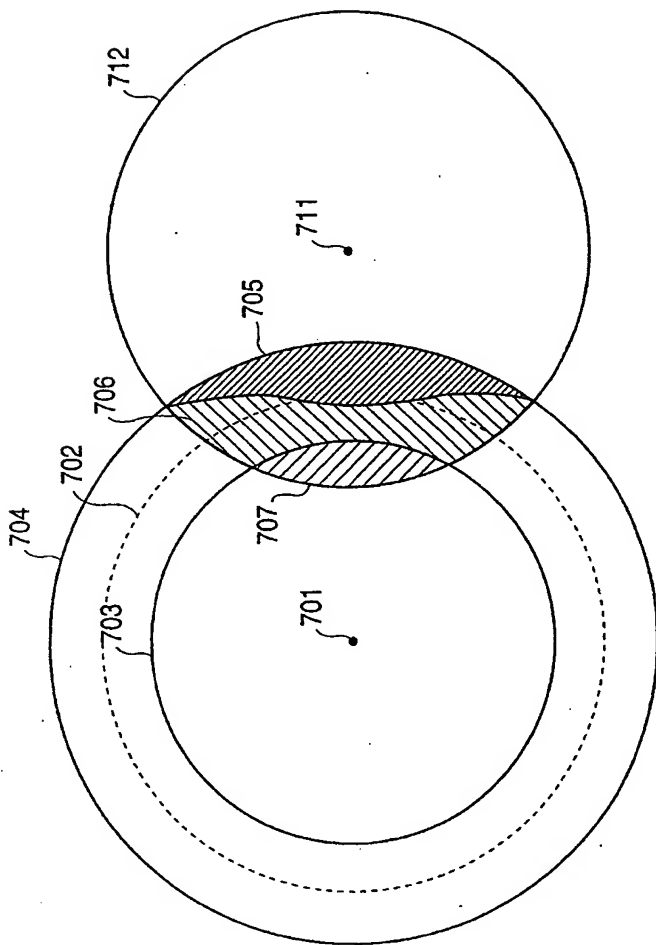


FIG. 54

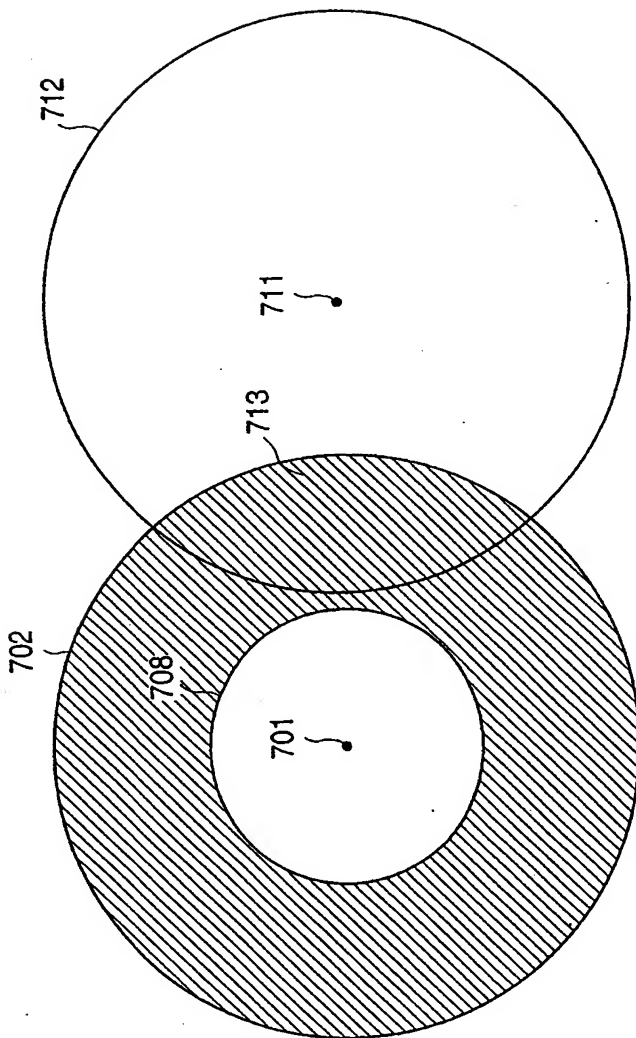


FIG. 55

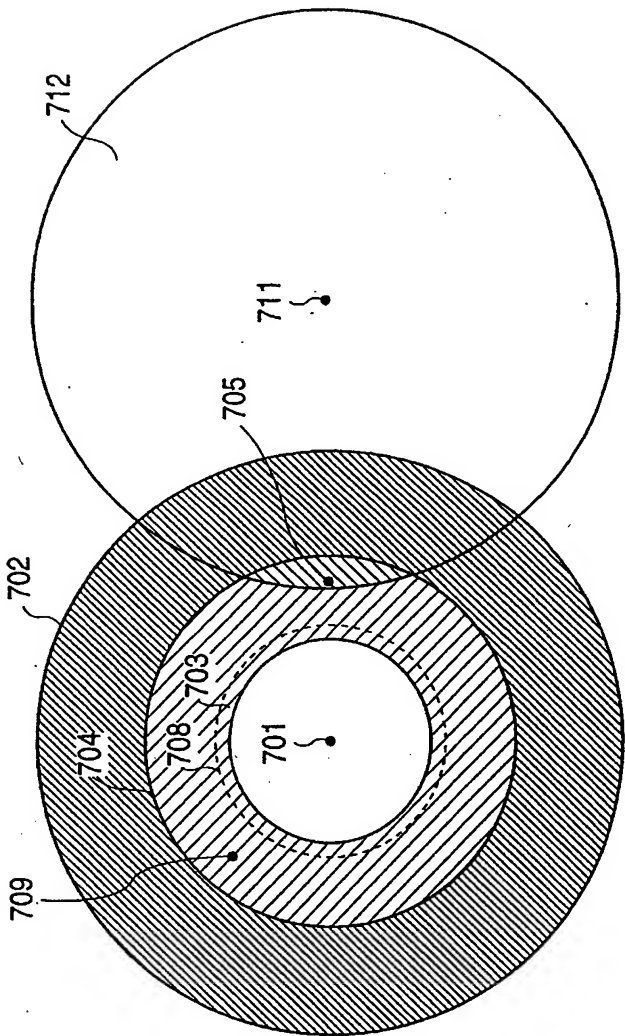


FIG. 56

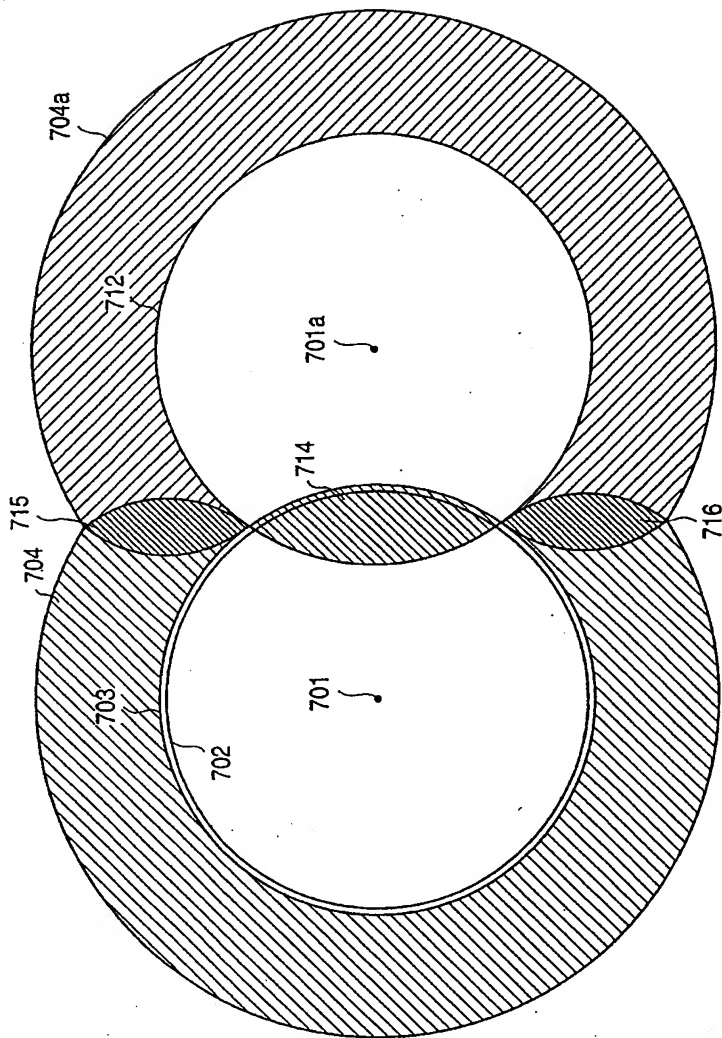


FIG. 57

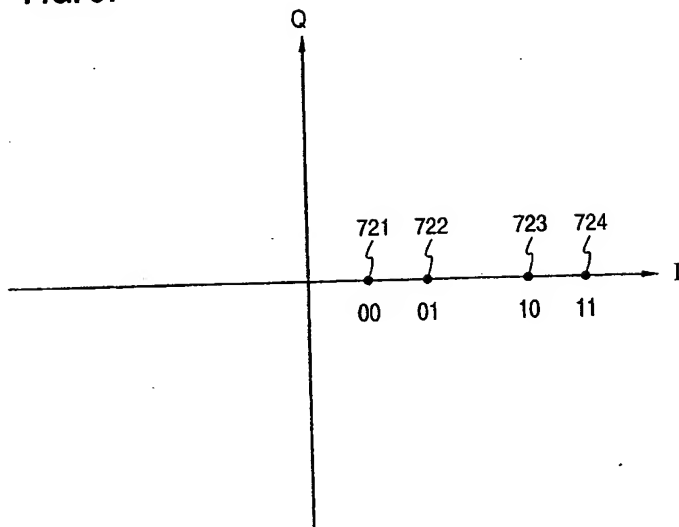


FIG. 58

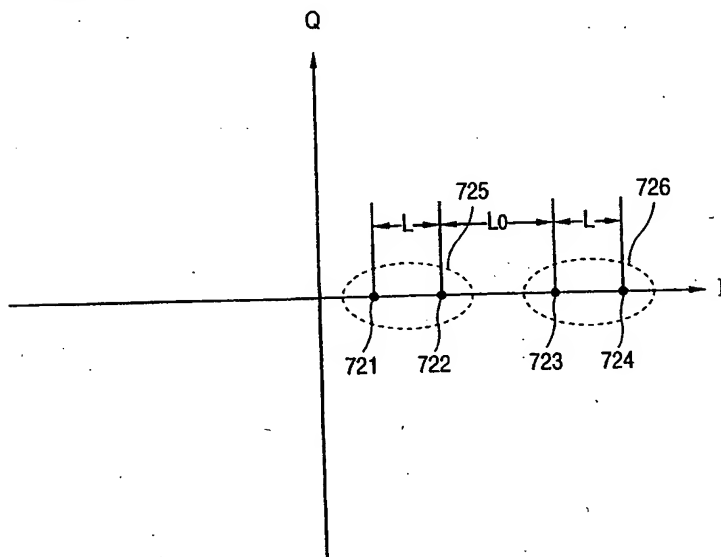


FIG. 59(c)

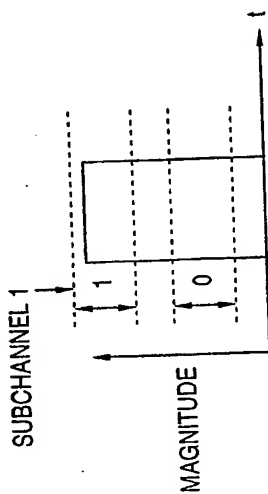


FIG. 59(d)

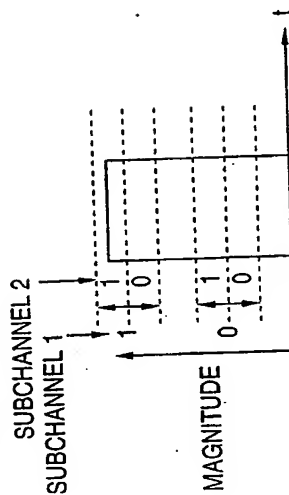


FIG. 59(a)

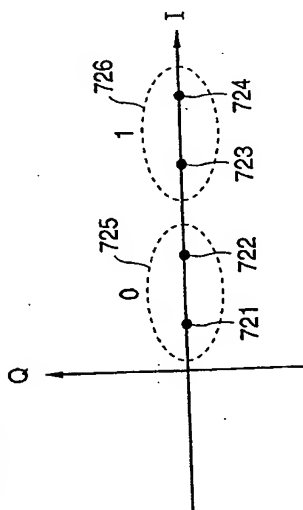


FIG. 59(b)

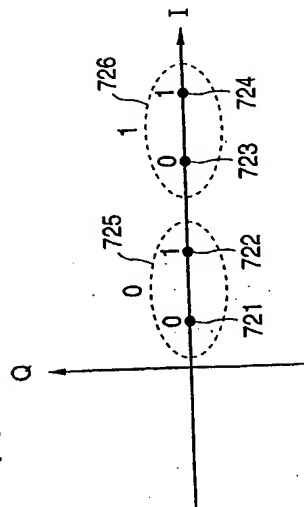


FIG. 60

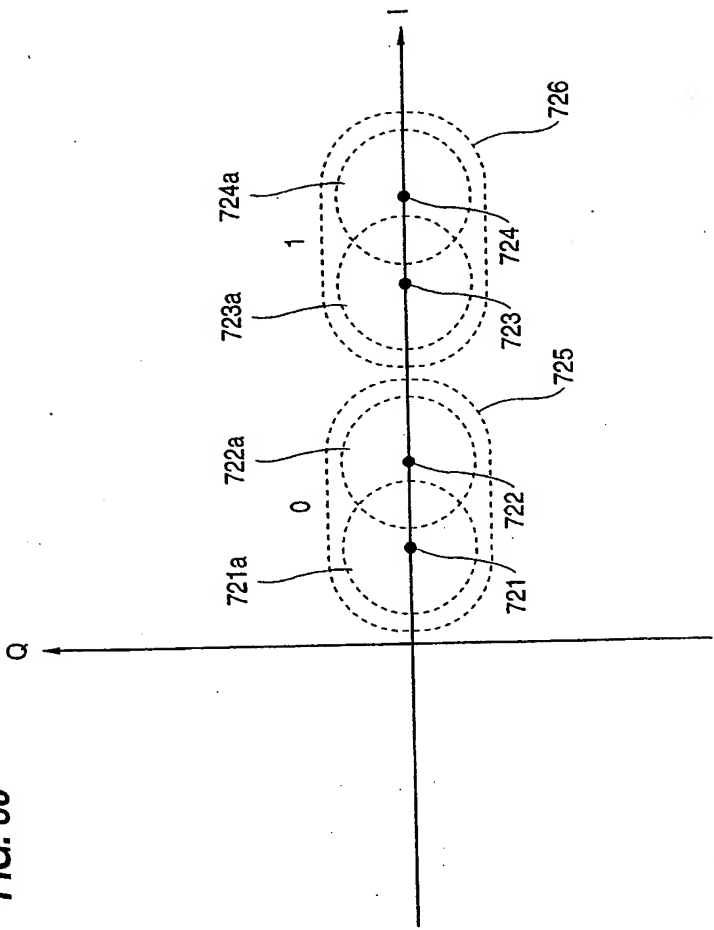


FIG. 61

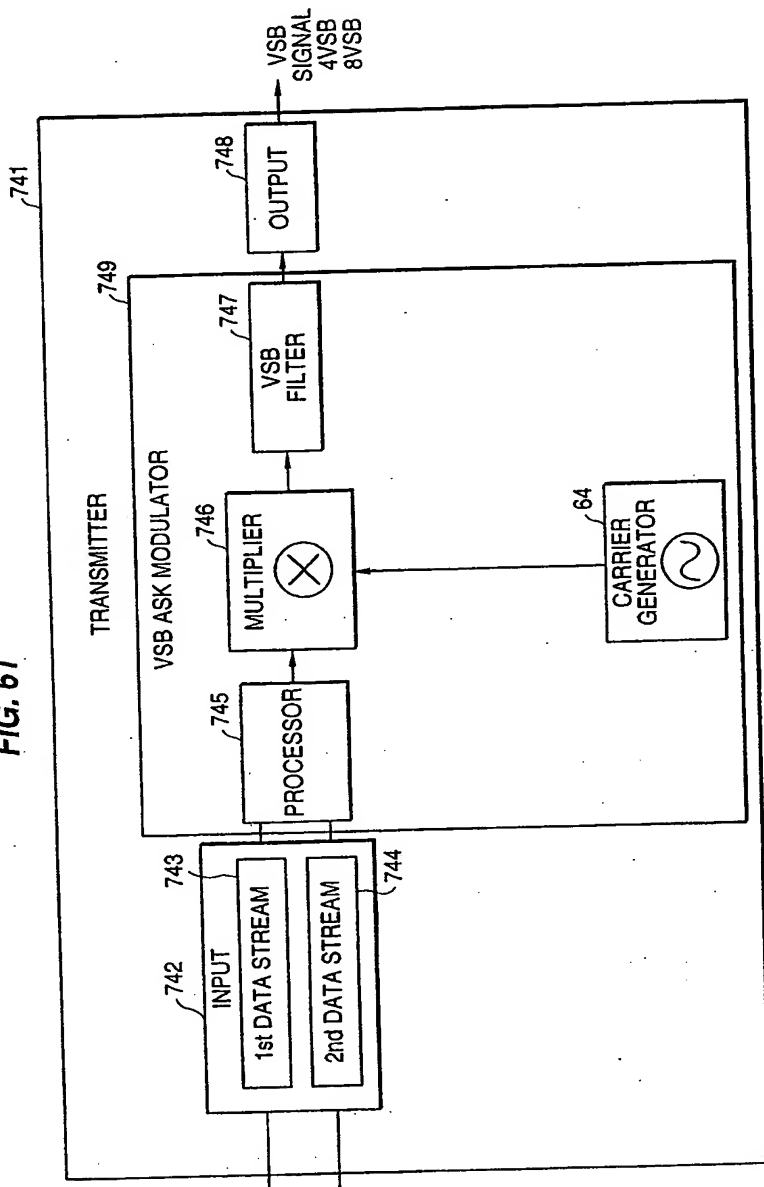


FIG. 62(a)

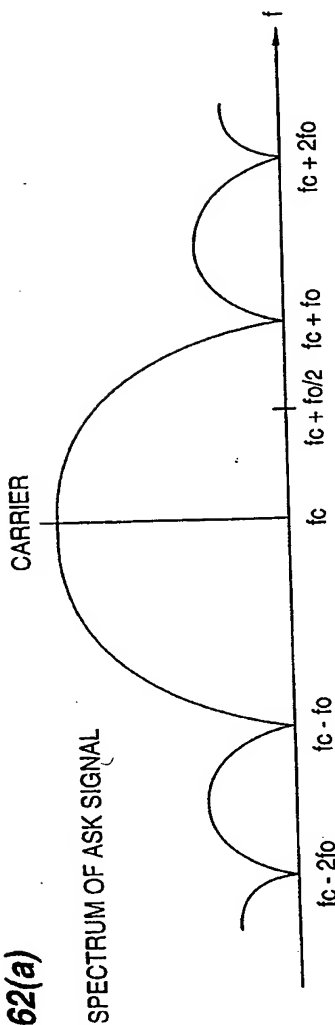


FIG. 62(b)

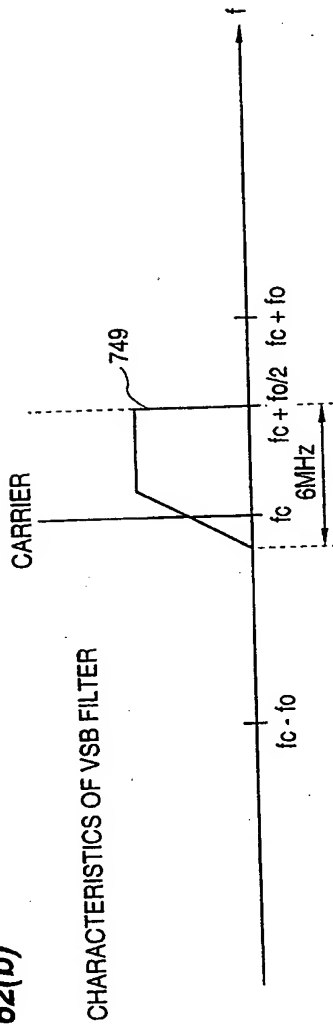


FIG. 63

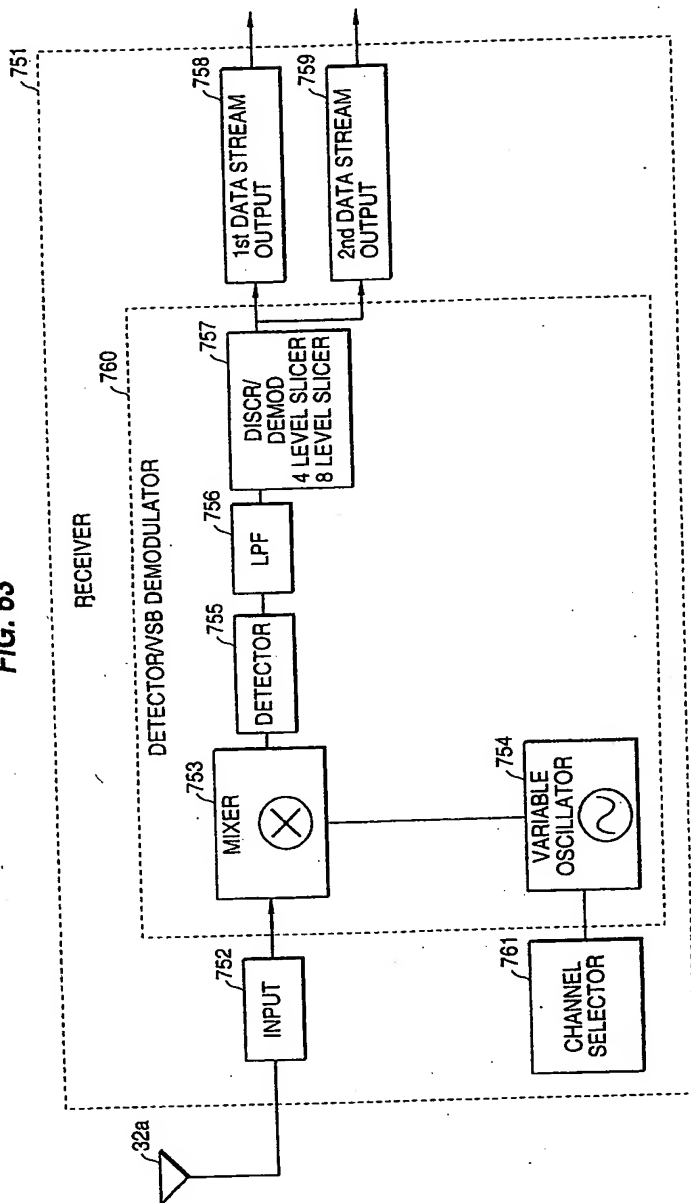


FIG. 64

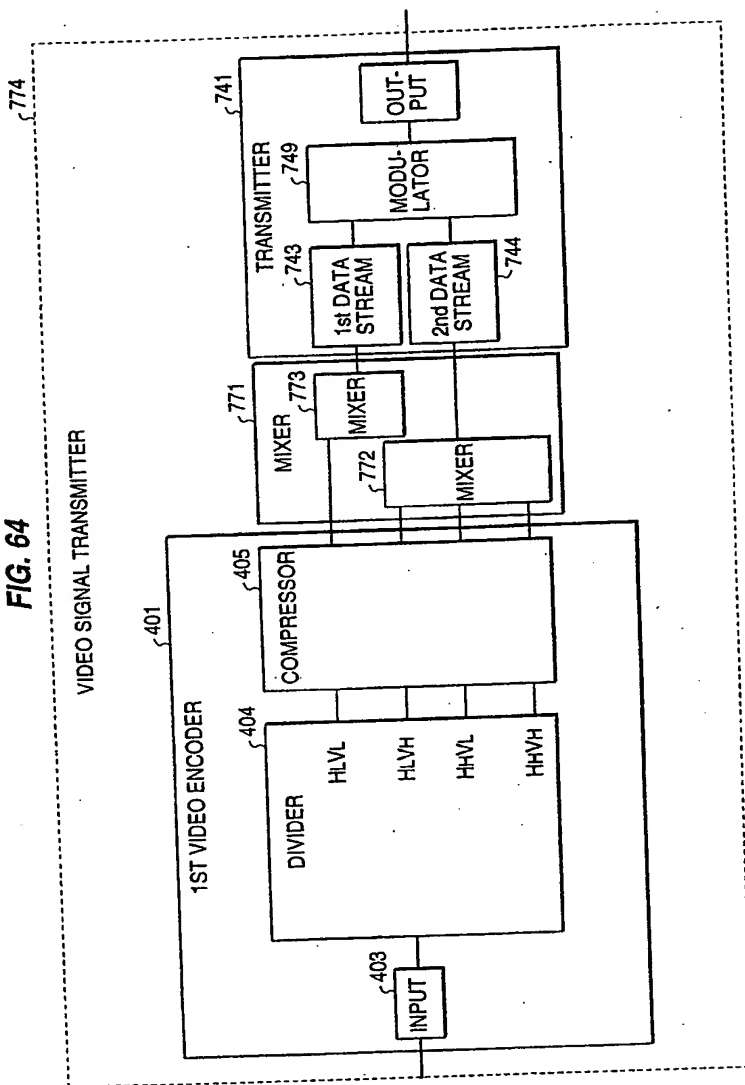


FIG. 65 (Amended)

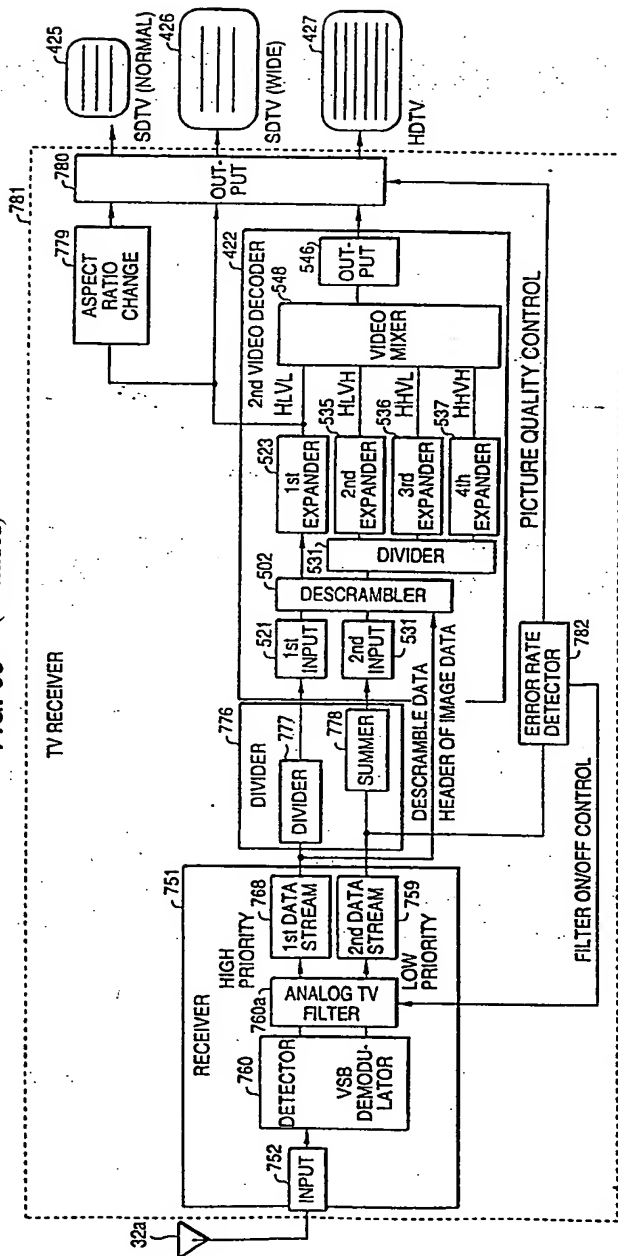


FIG. 66

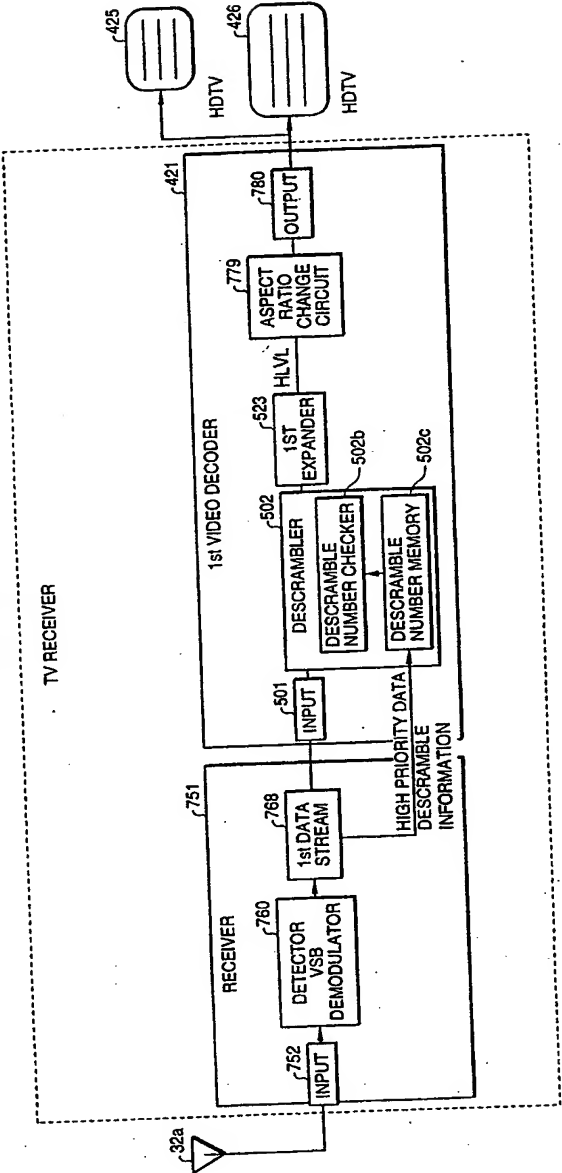
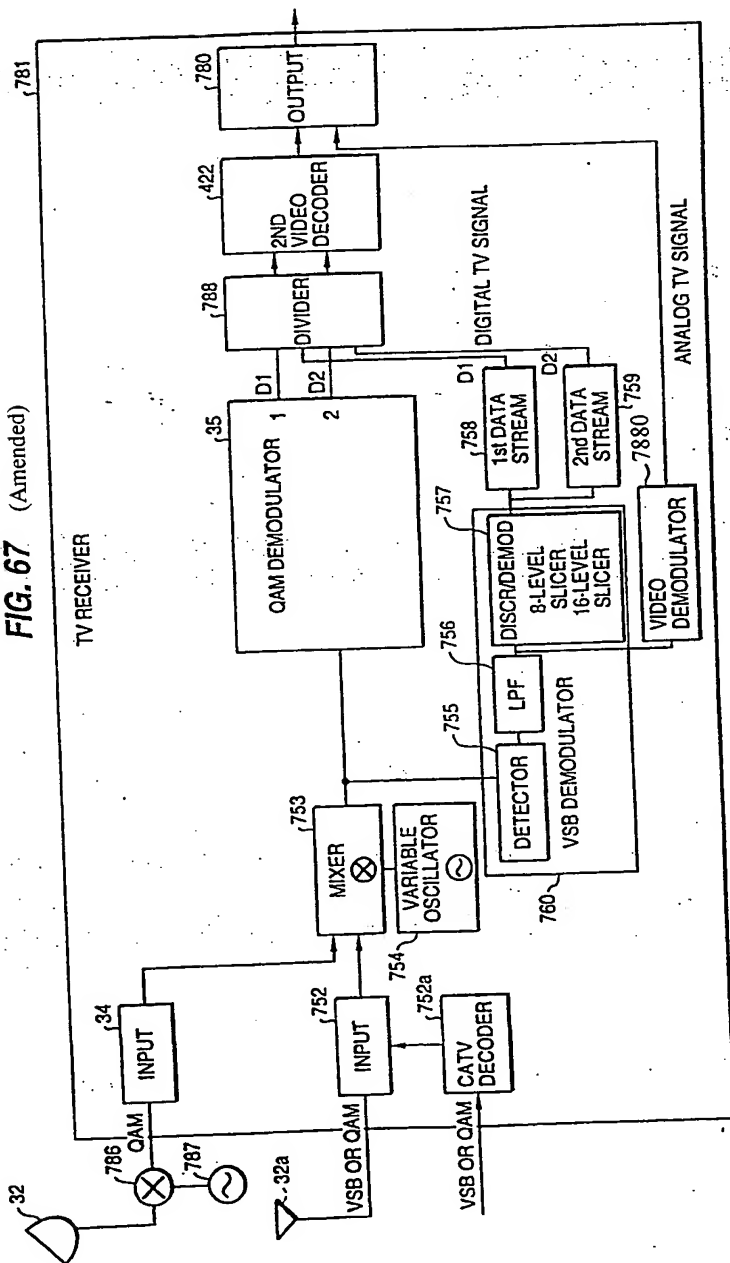


FIG. 67 (Amended)



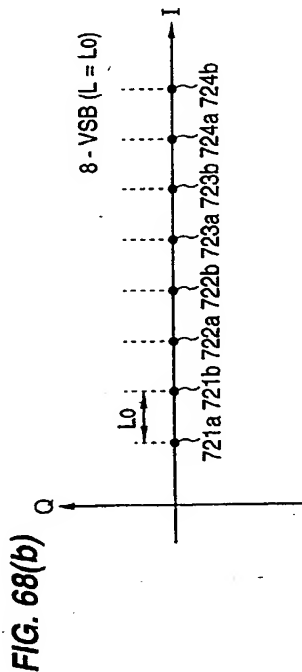
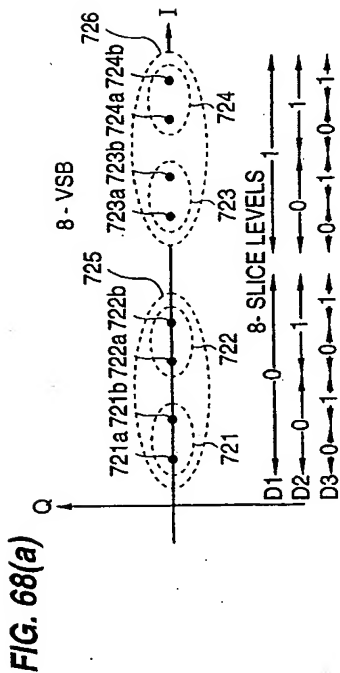


FIG. 68(c)

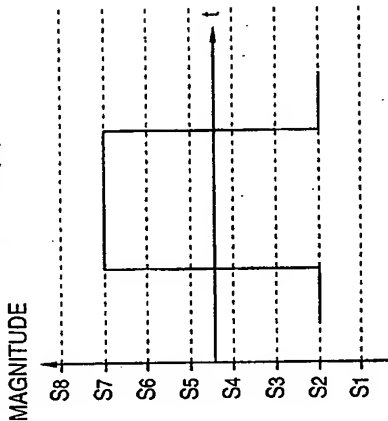


FIG. 69

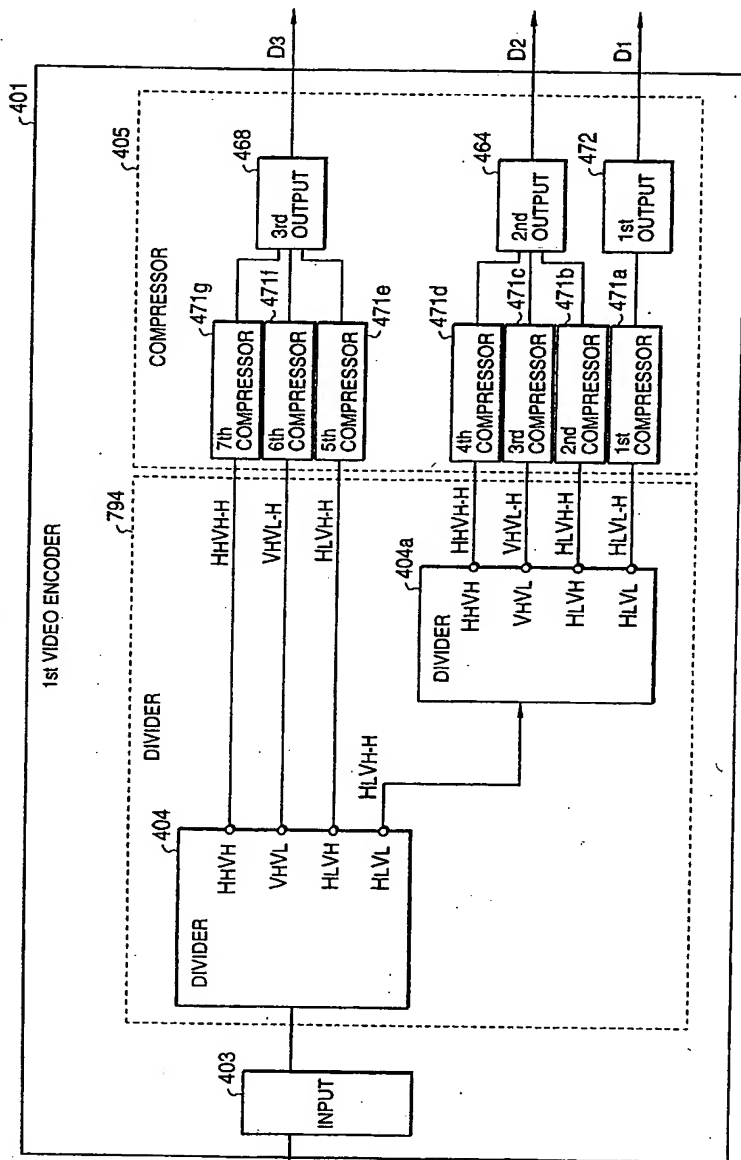


FIG. 70

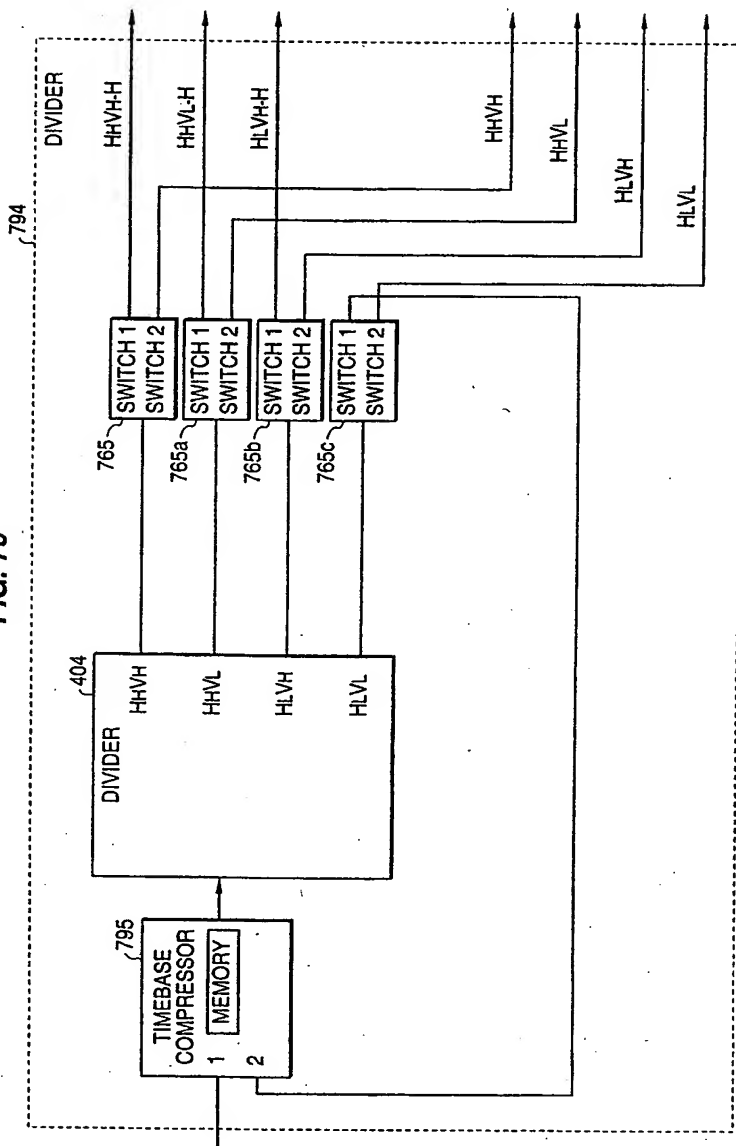


FIG. 71

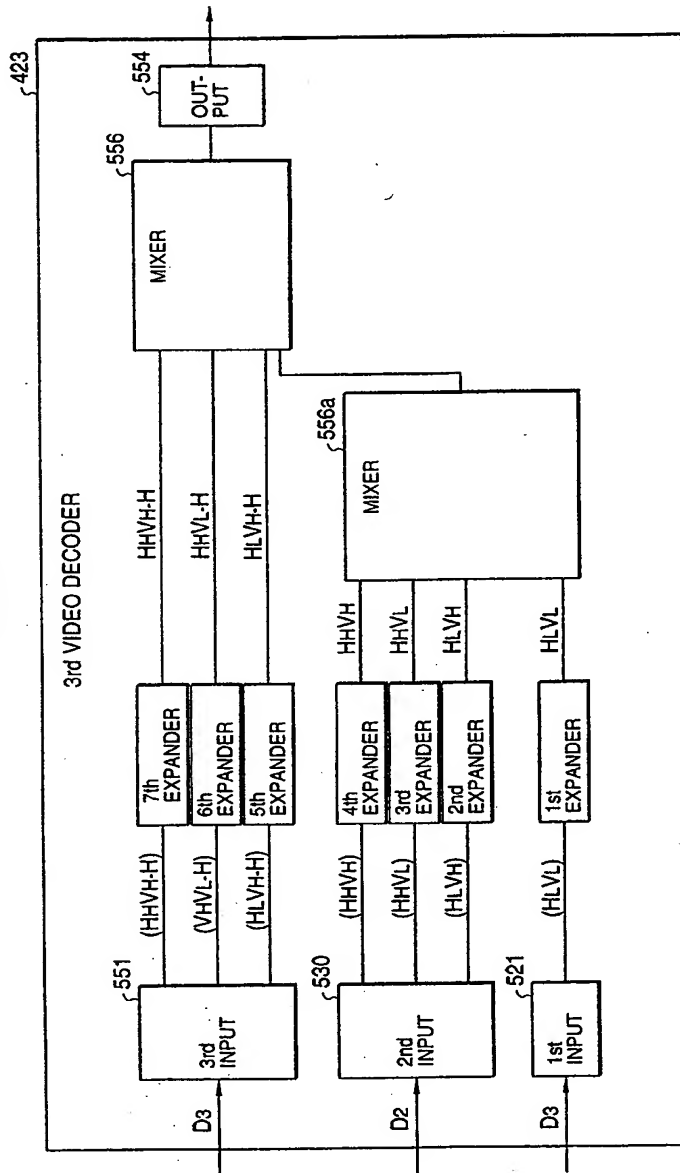


FIG. 72

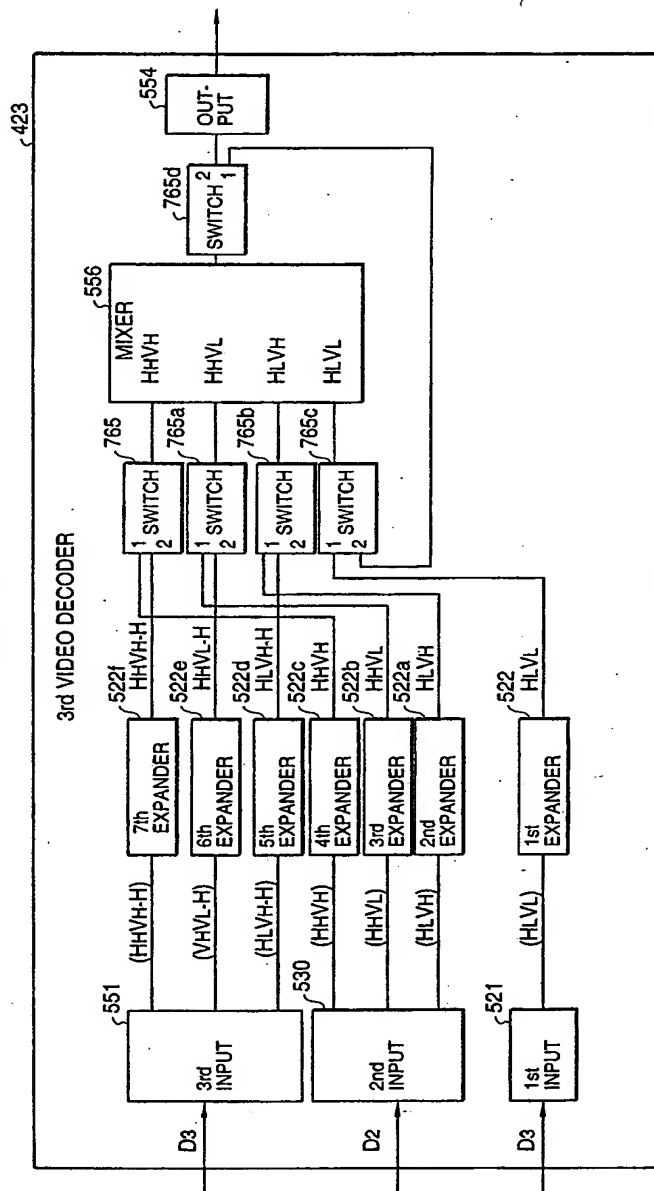


FIG. 73

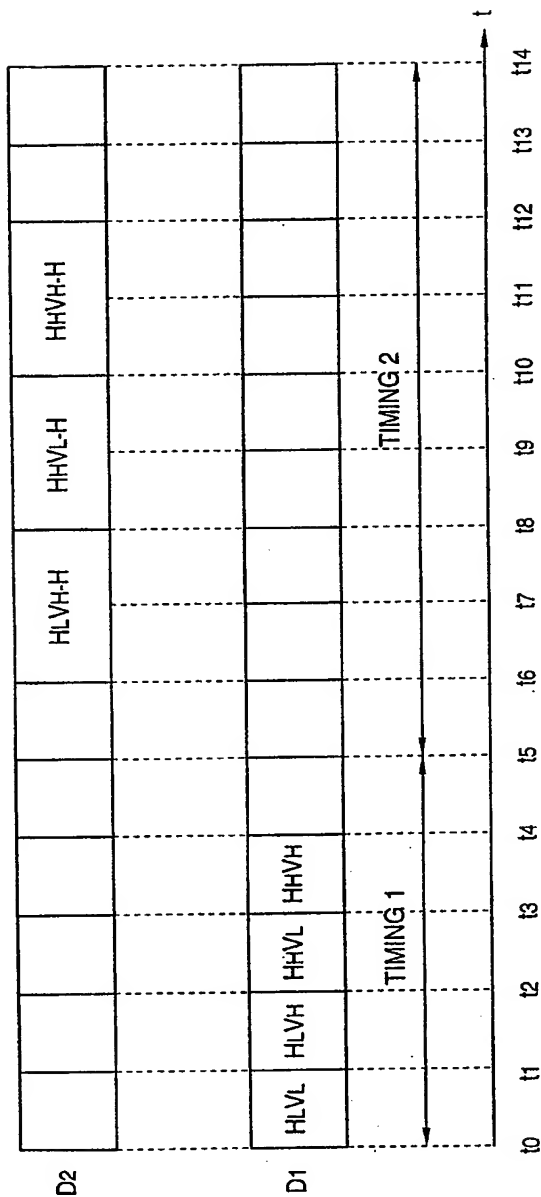


FIG. 74(a)

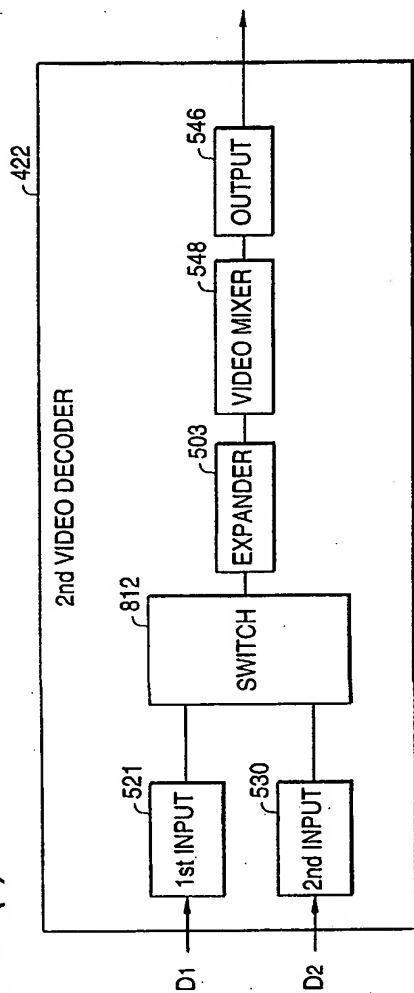


FIG. 74(b)

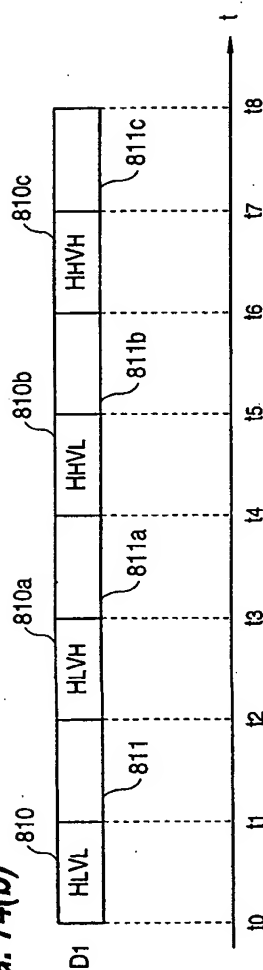


FIG. 75

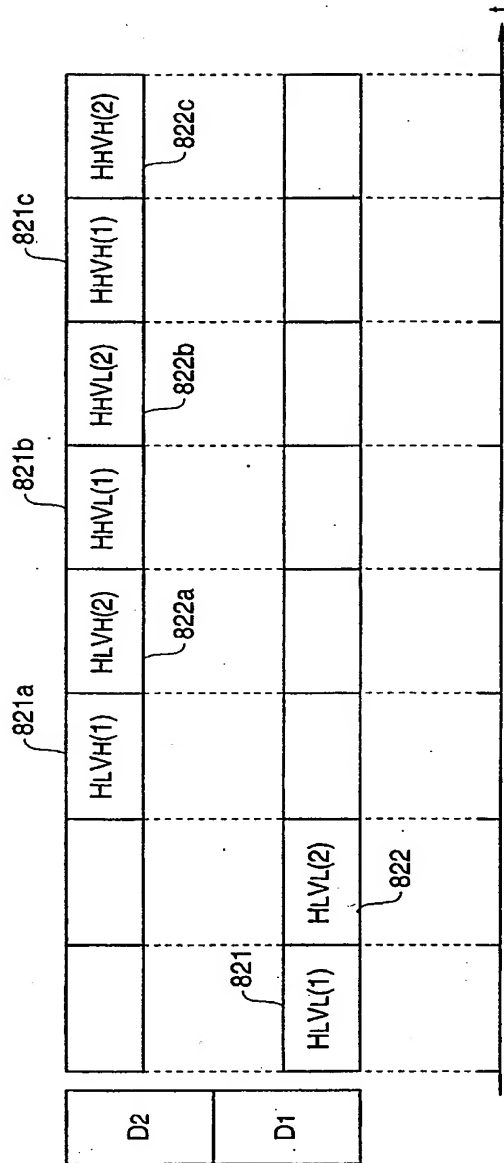


FIG. 76

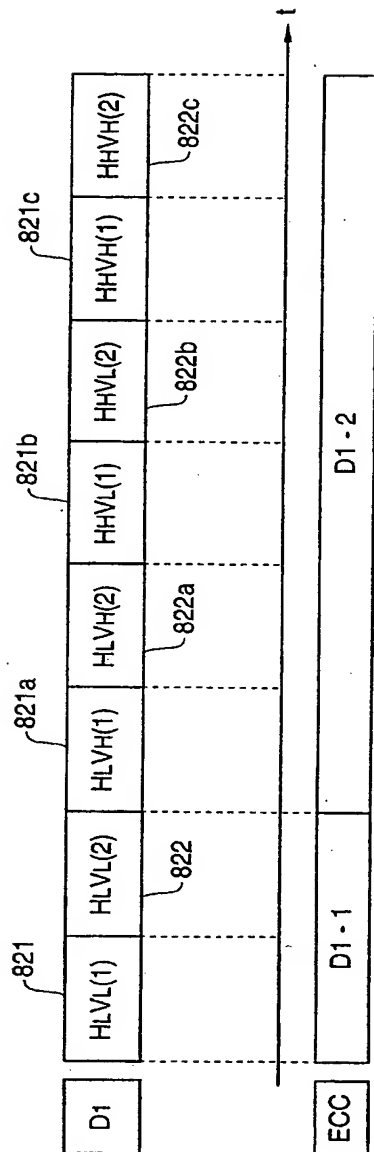


FIG. 77

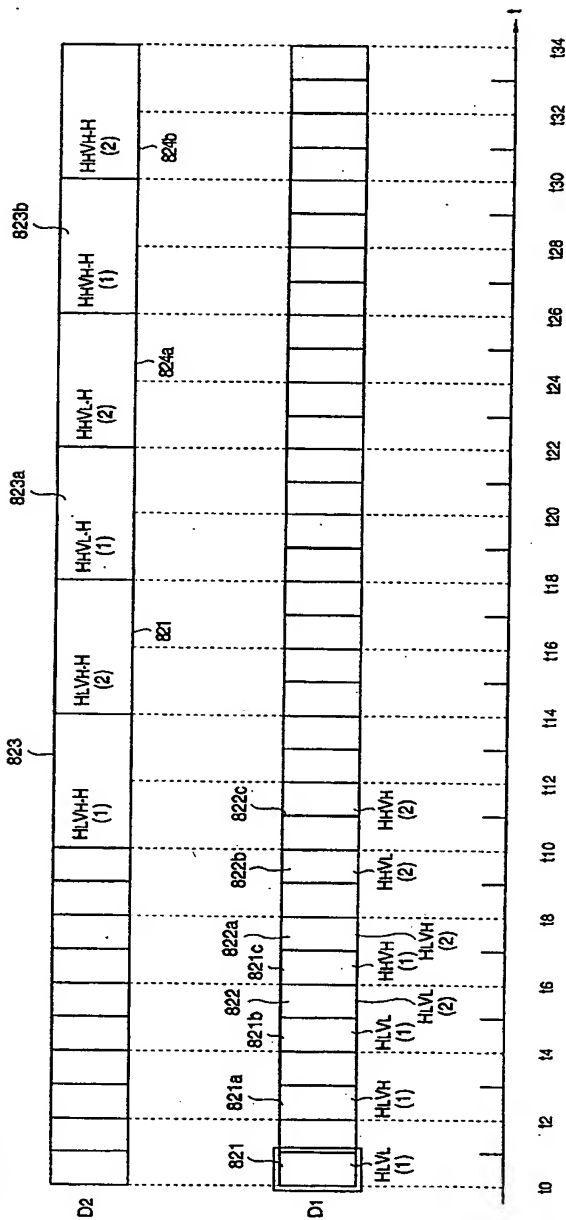


FIG. 78

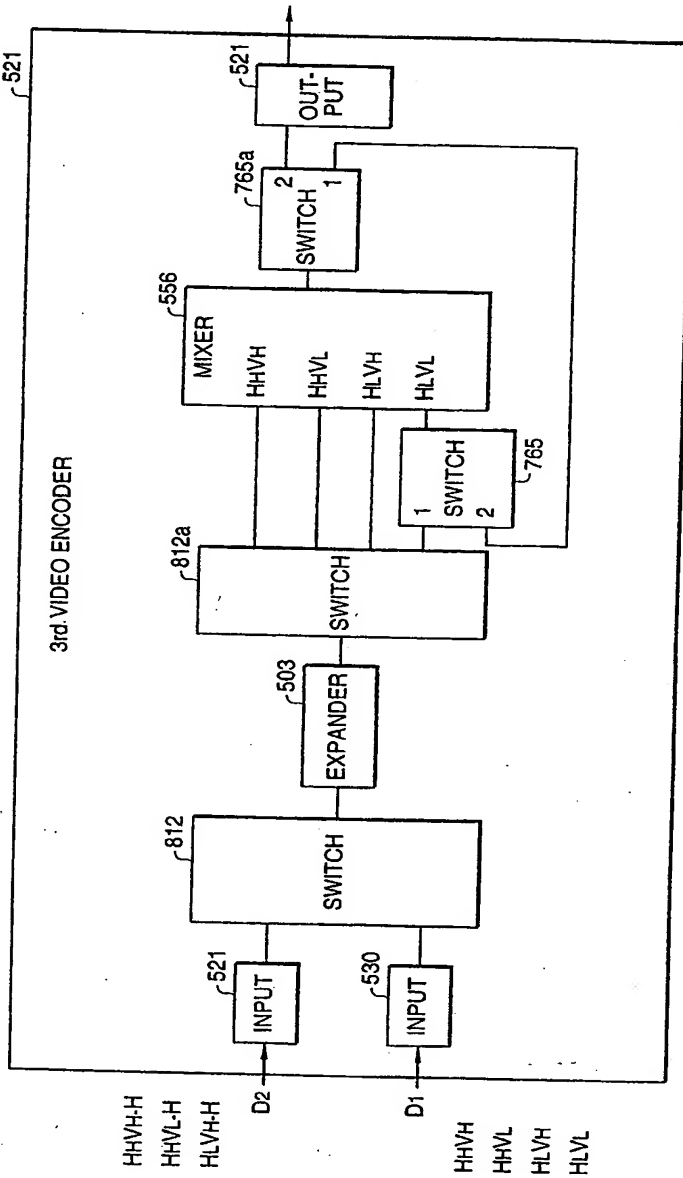


FIG. 79

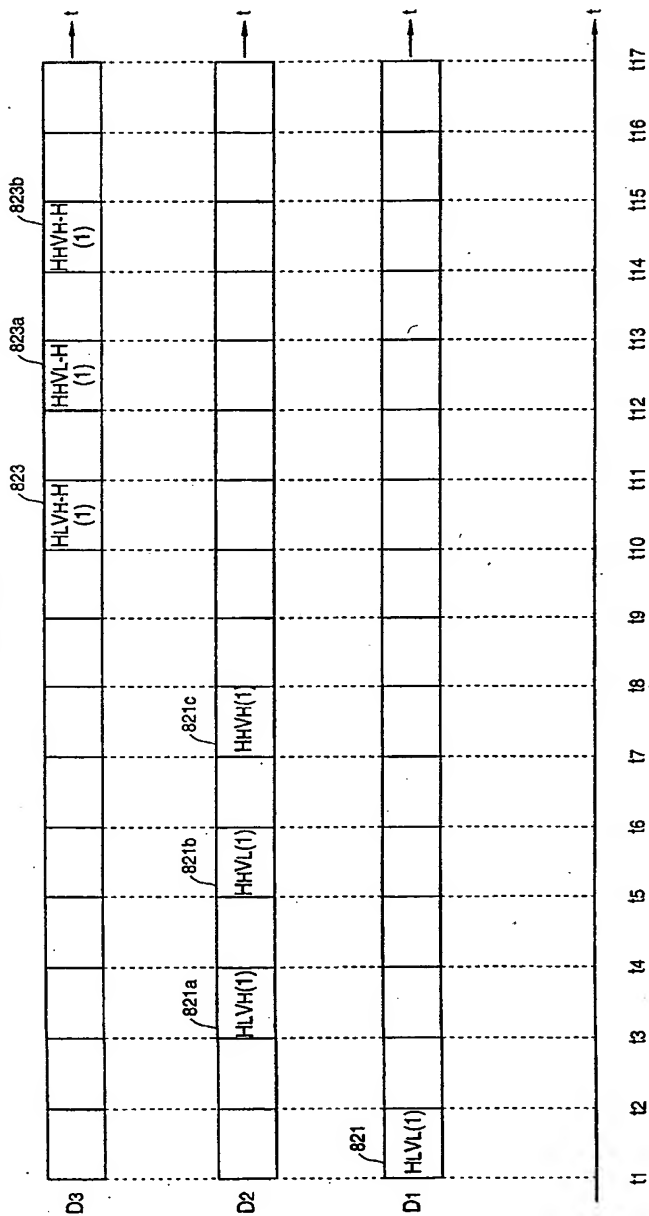


FIG. 80

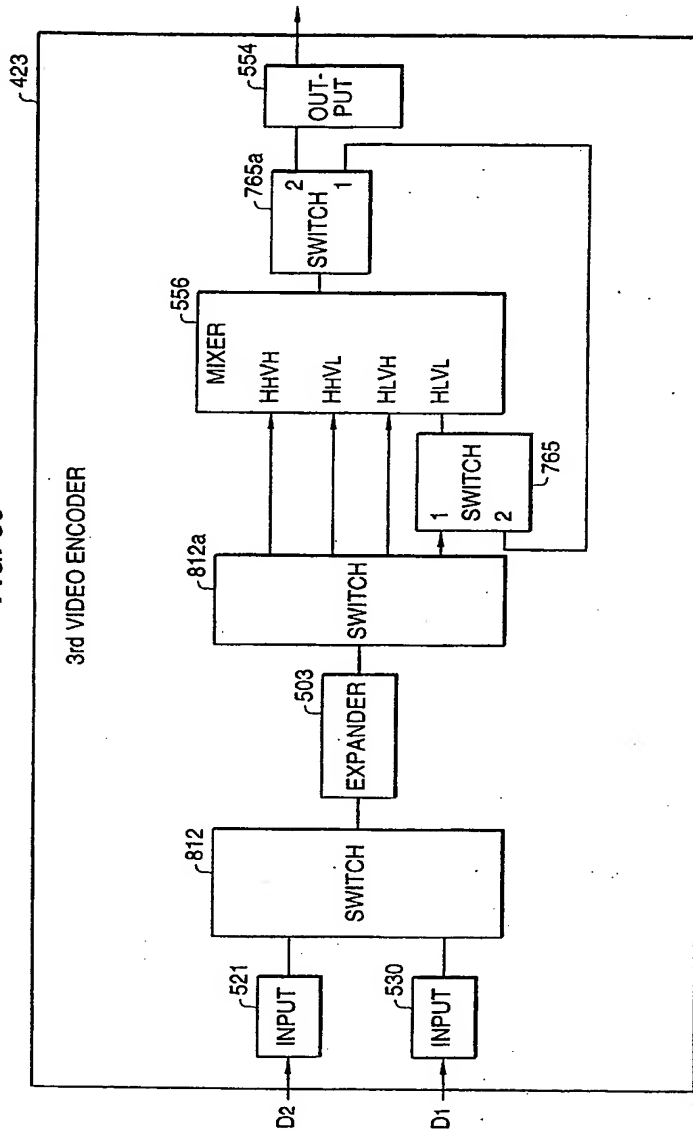


FIG. 81

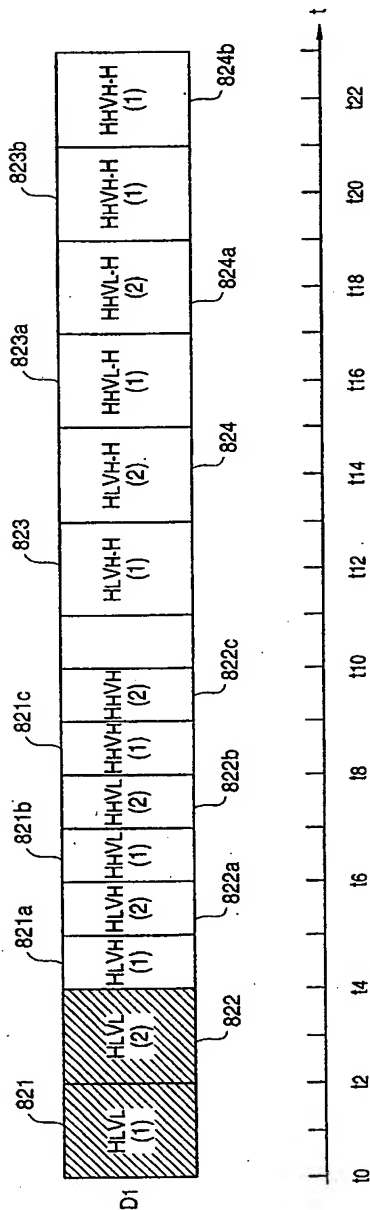


FIG. 82

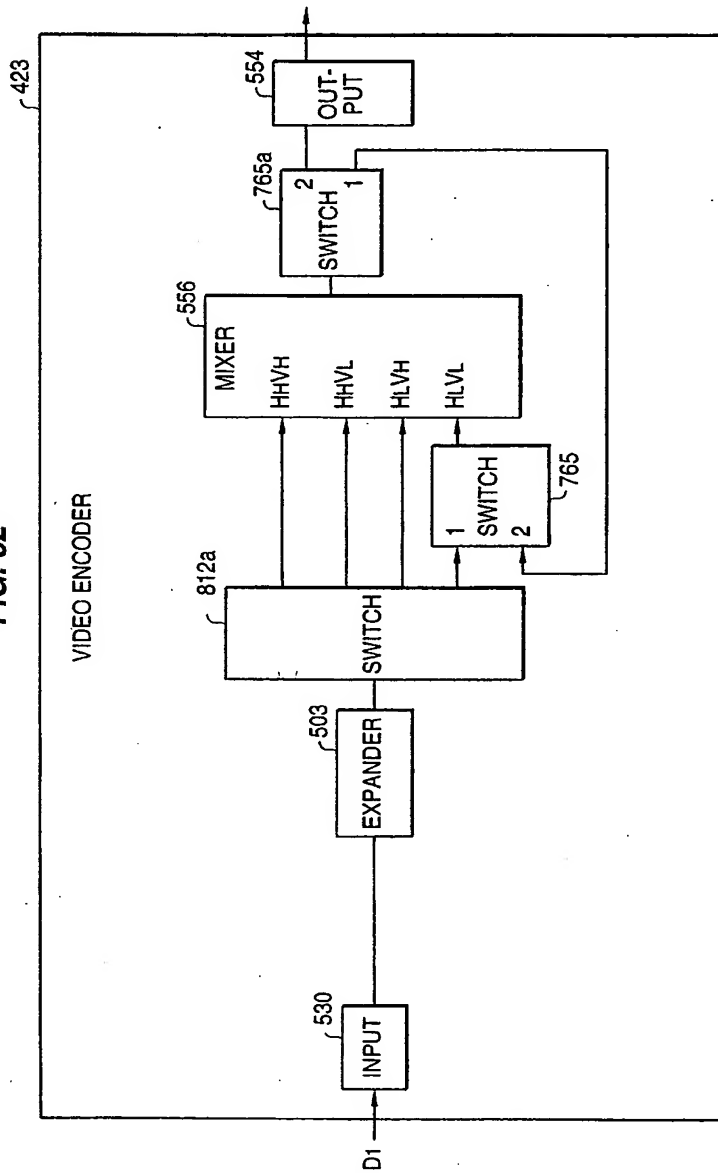


FIG. 83

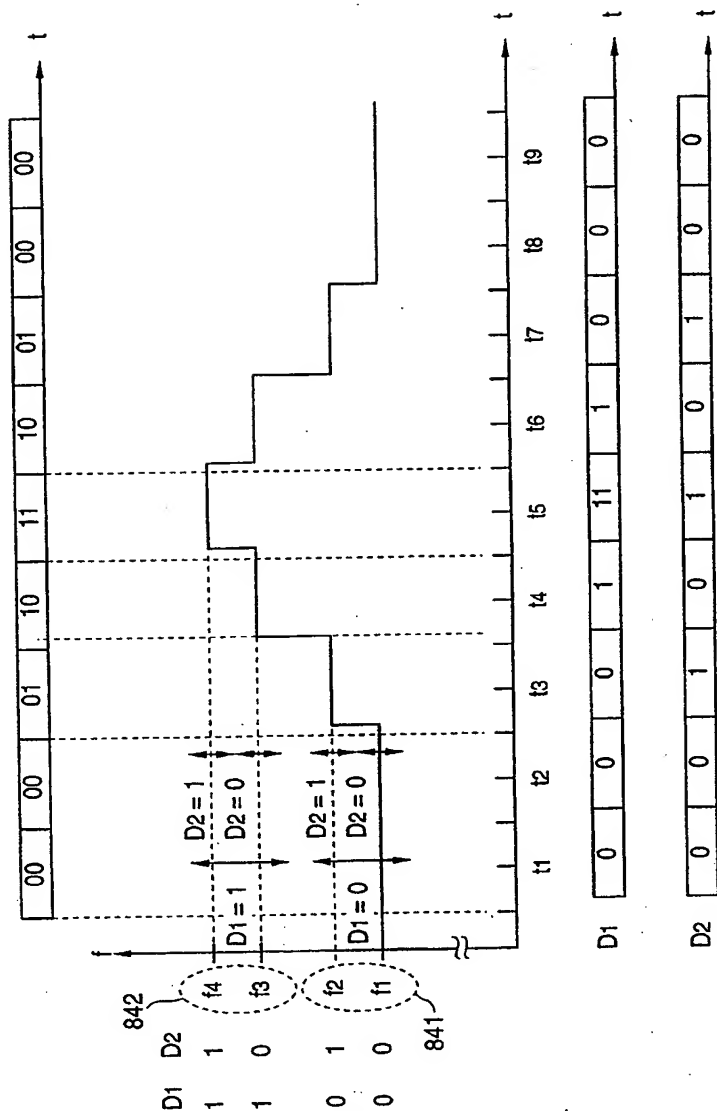


FIG. 84

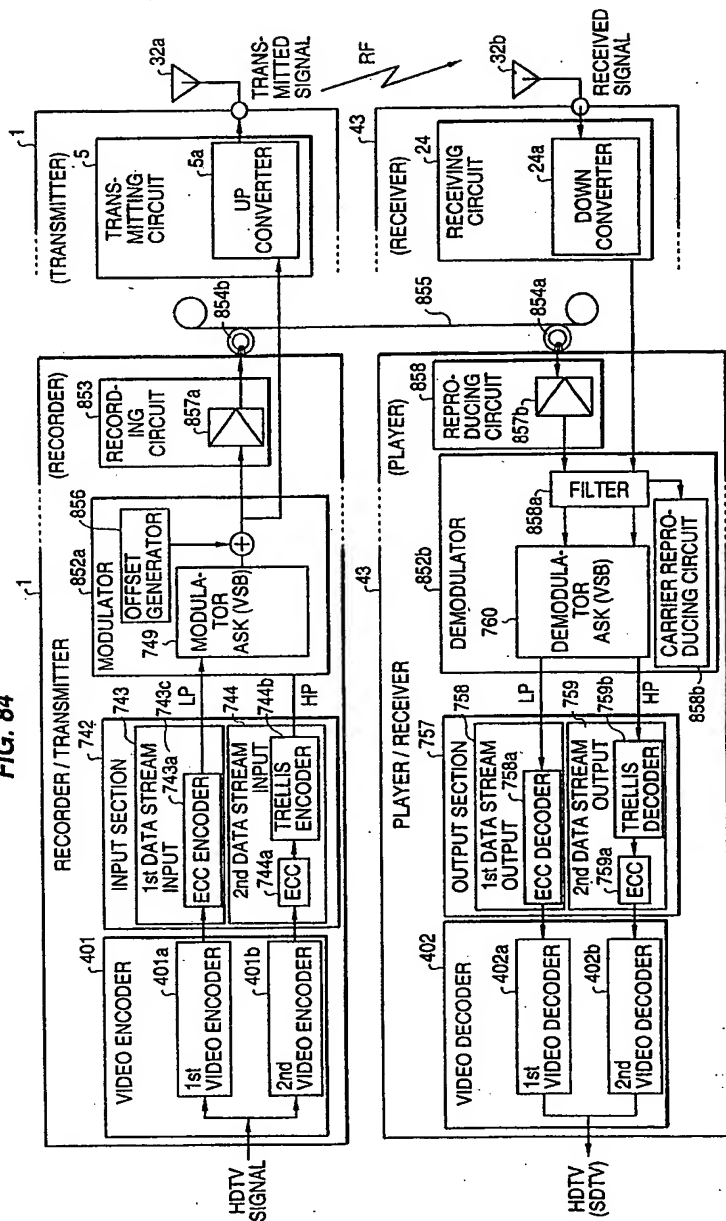


FIG. 85

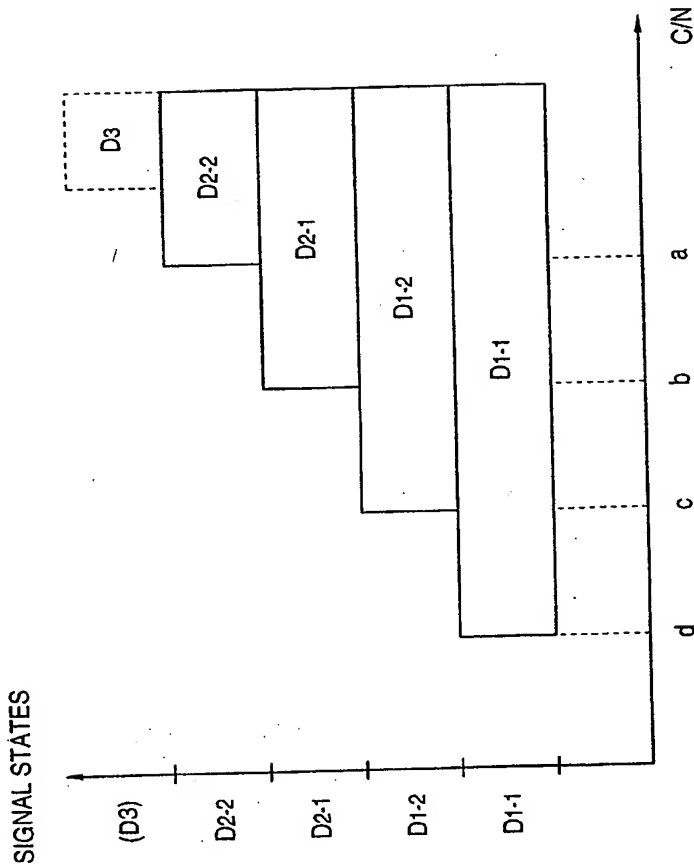


FIG. 86

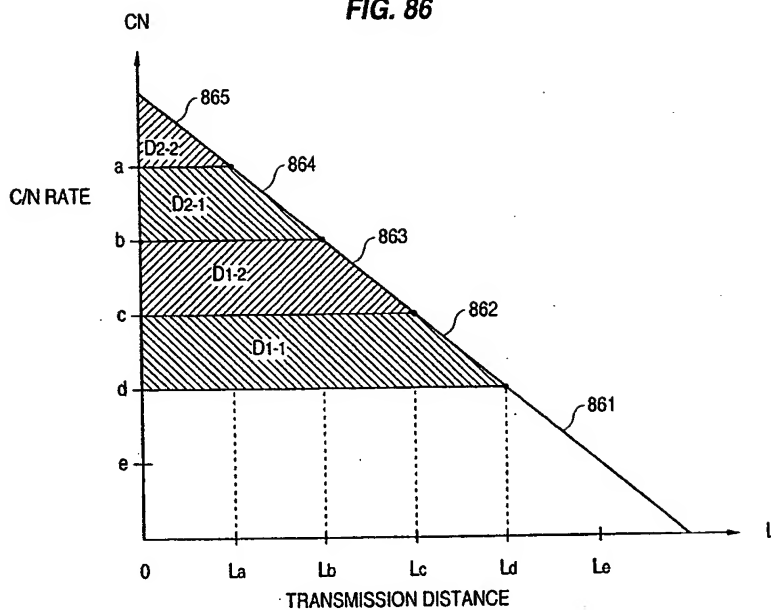


FIG. 87

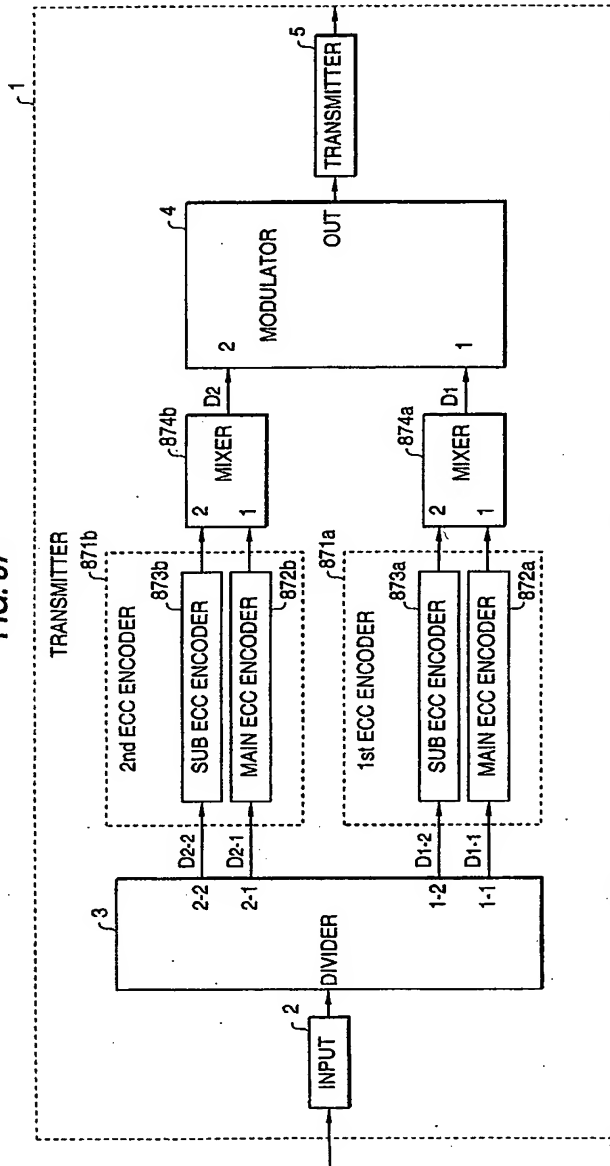


FIG. 88

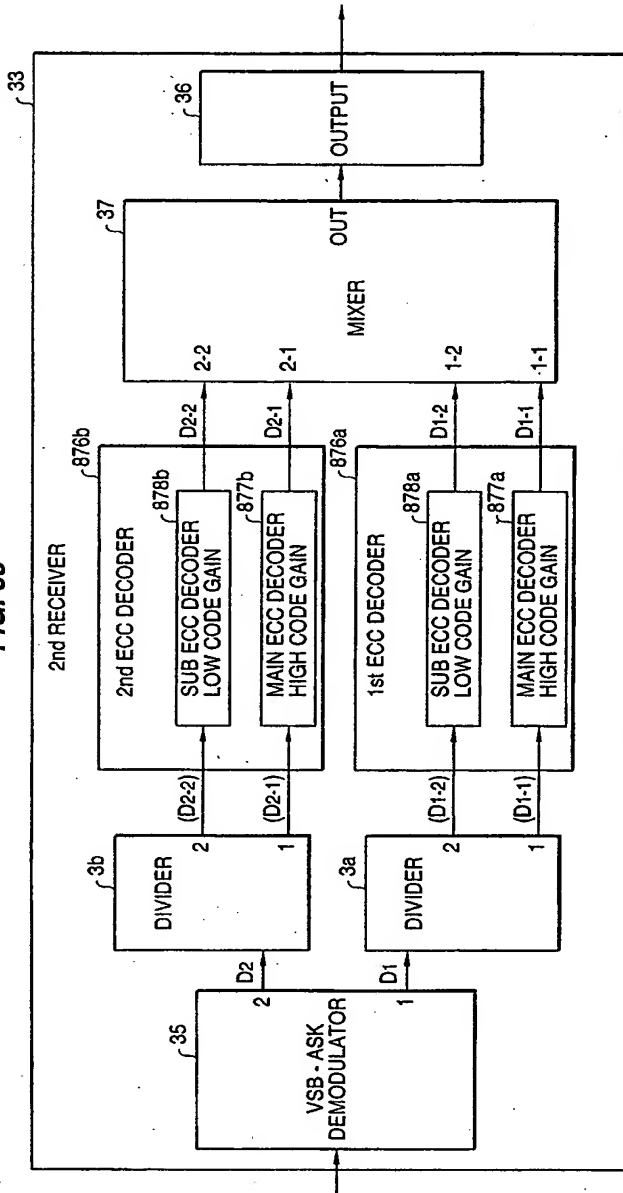


FIG. 89

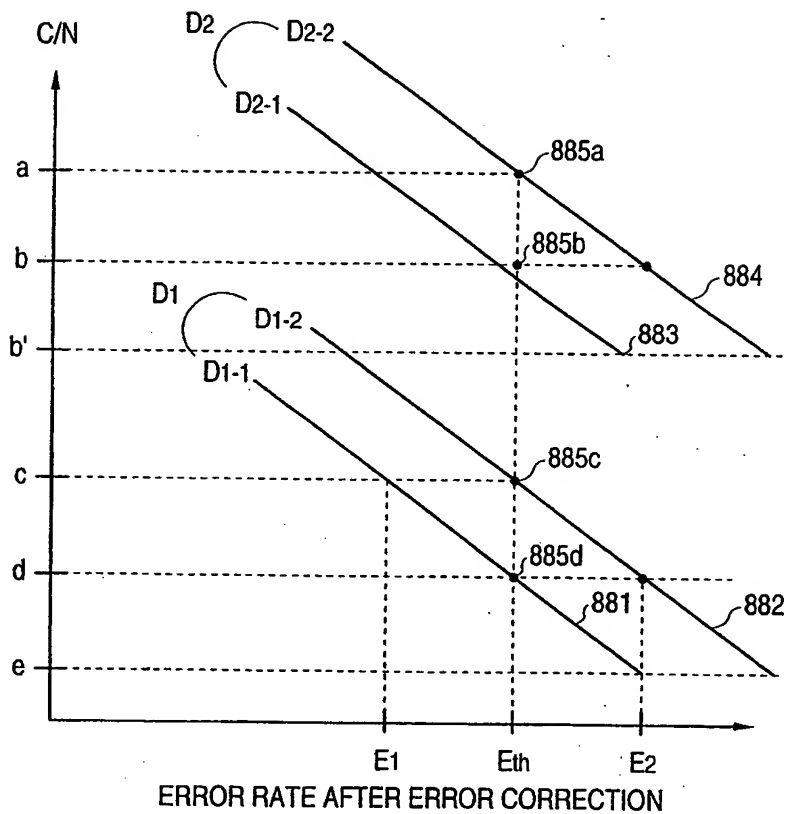


FIG. 90

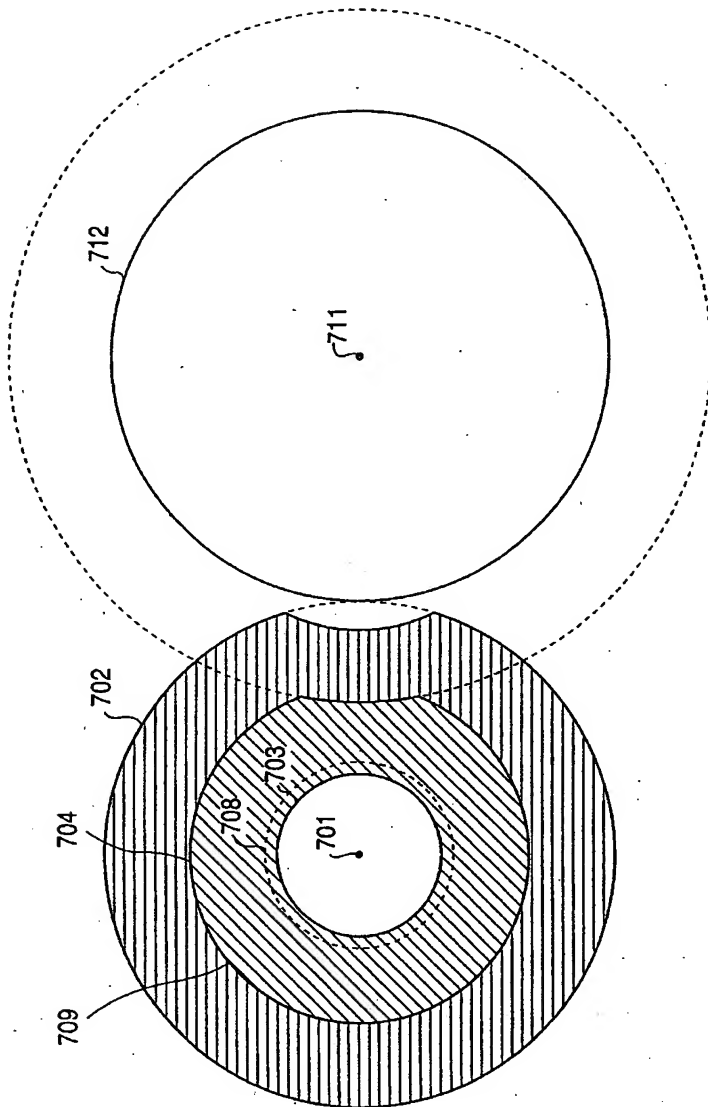


FIG. 91

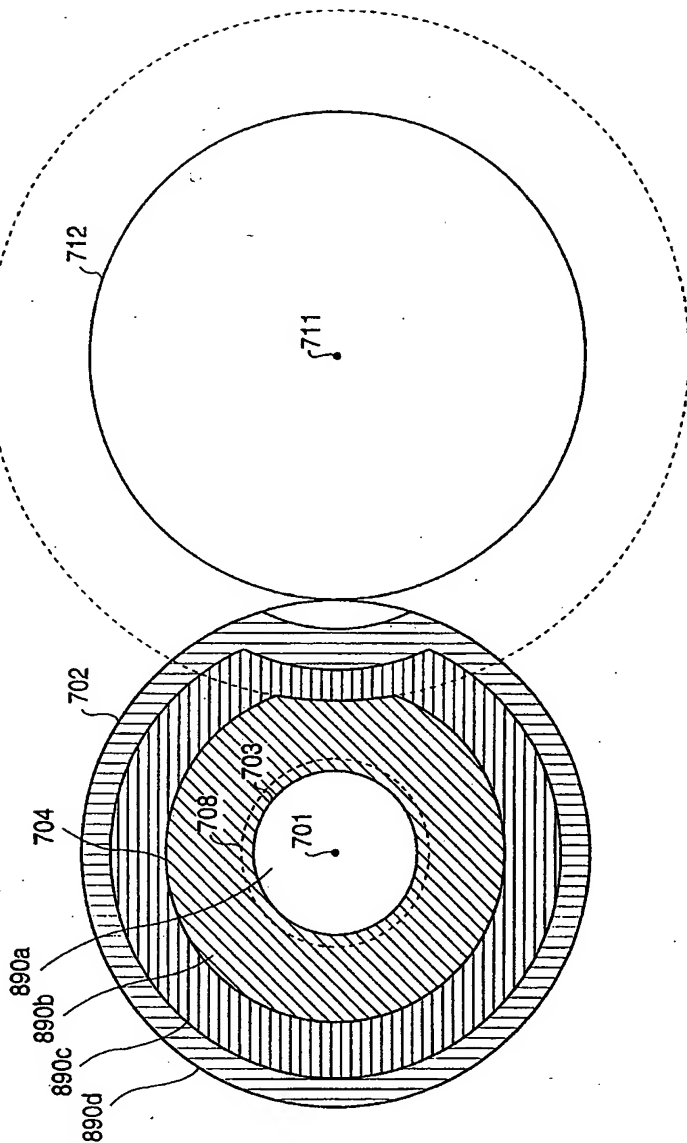


FIG. 92

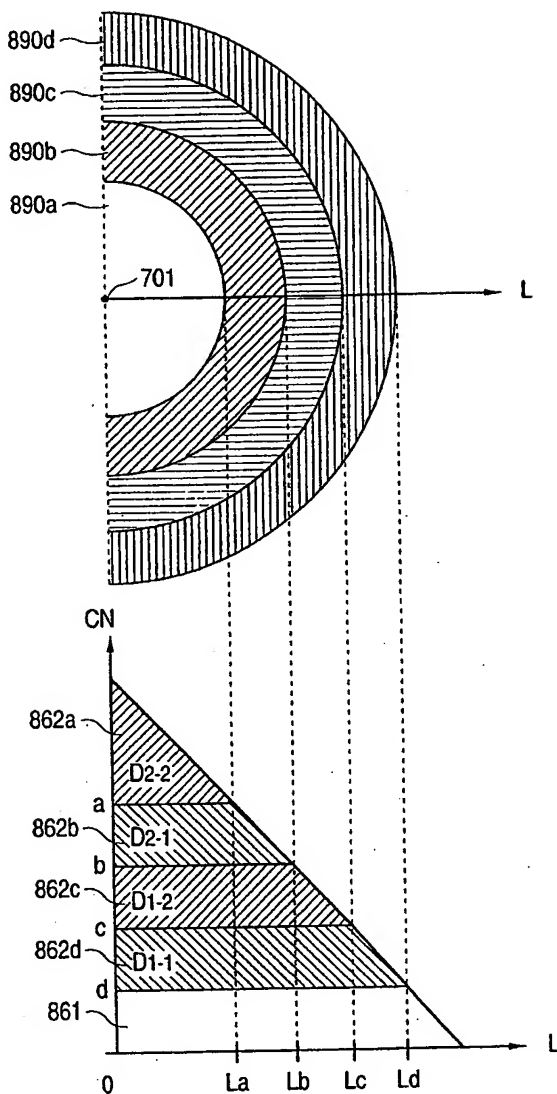


FIG. 93 (Amended)

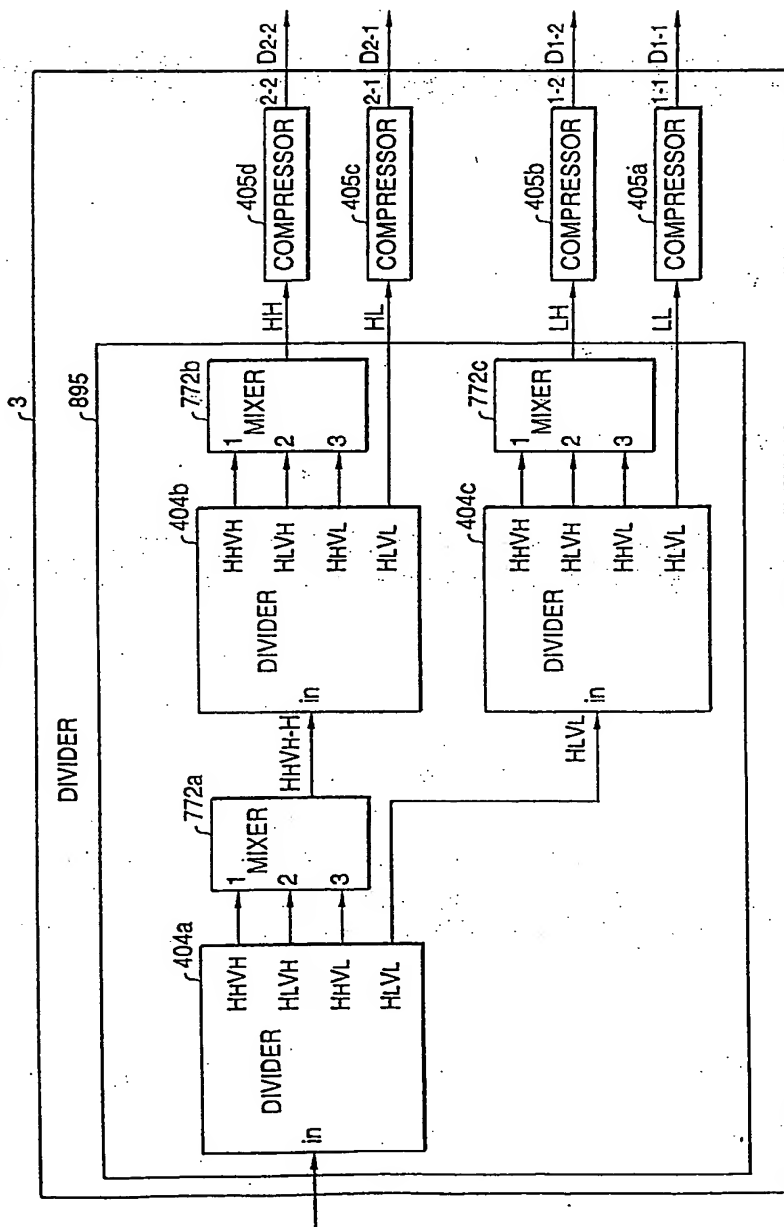


FIG. 94

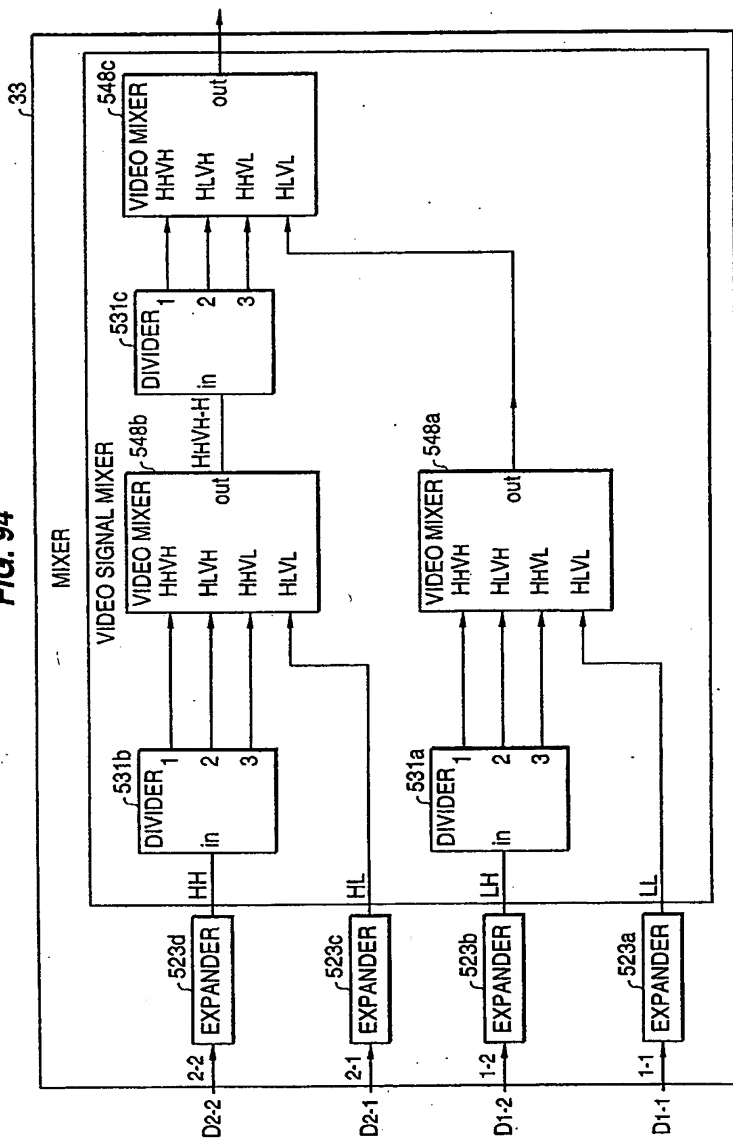


FIG. 95

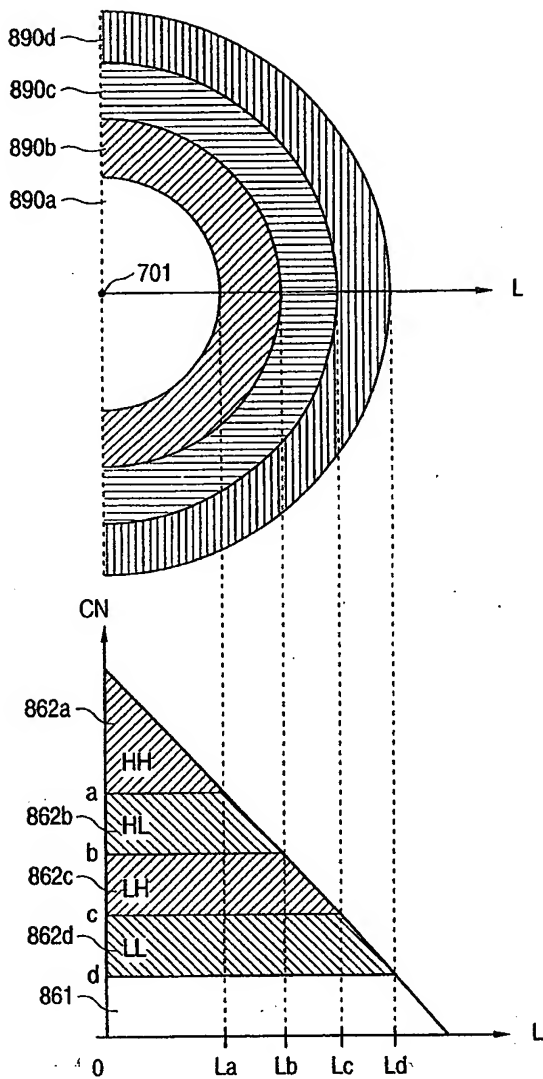


FIG. 96

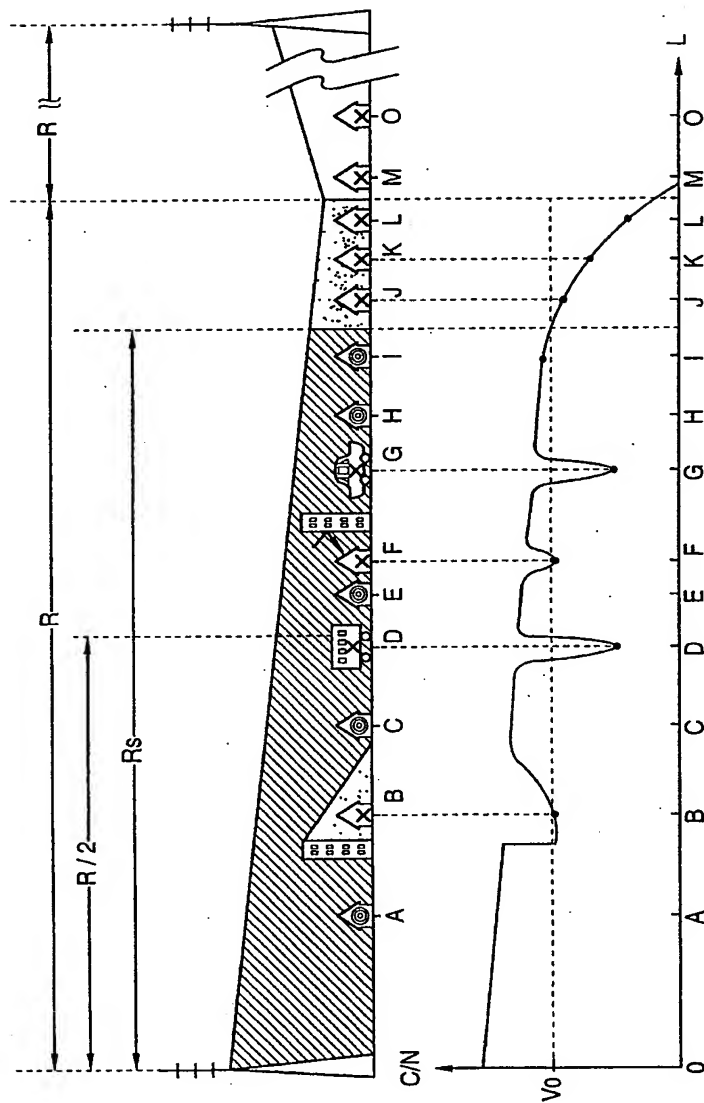


FIG. 98

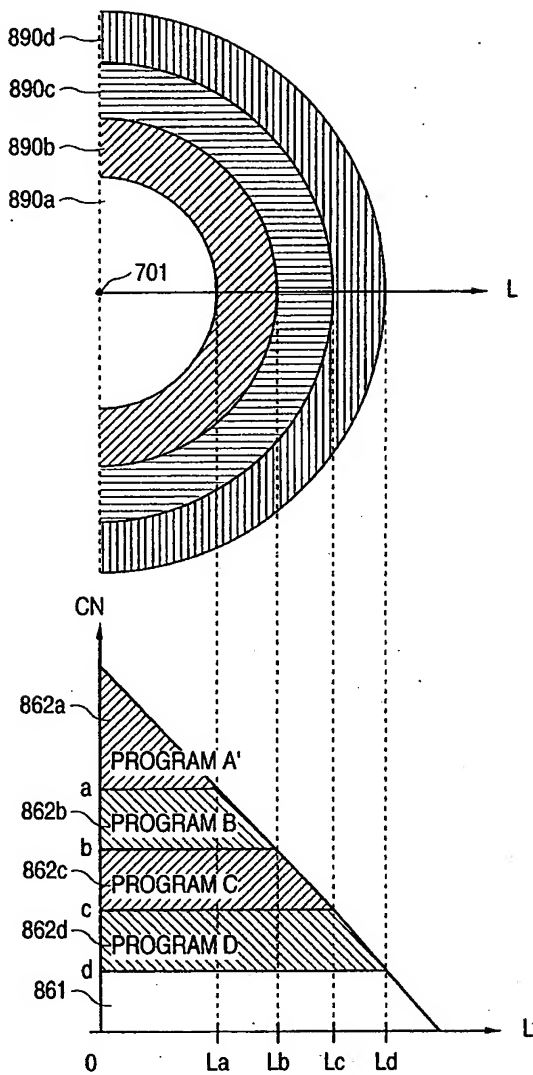


FIG. 99

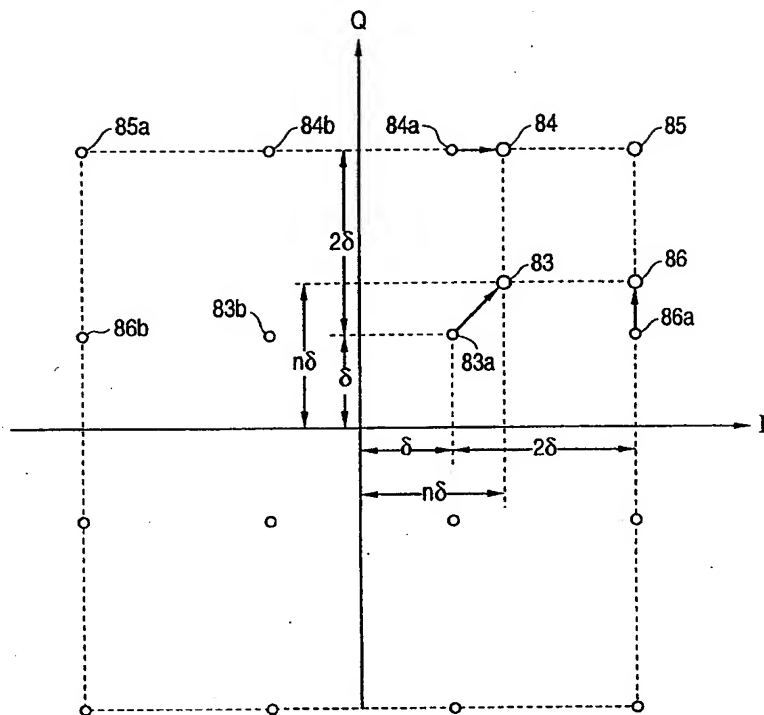


FIG. 100

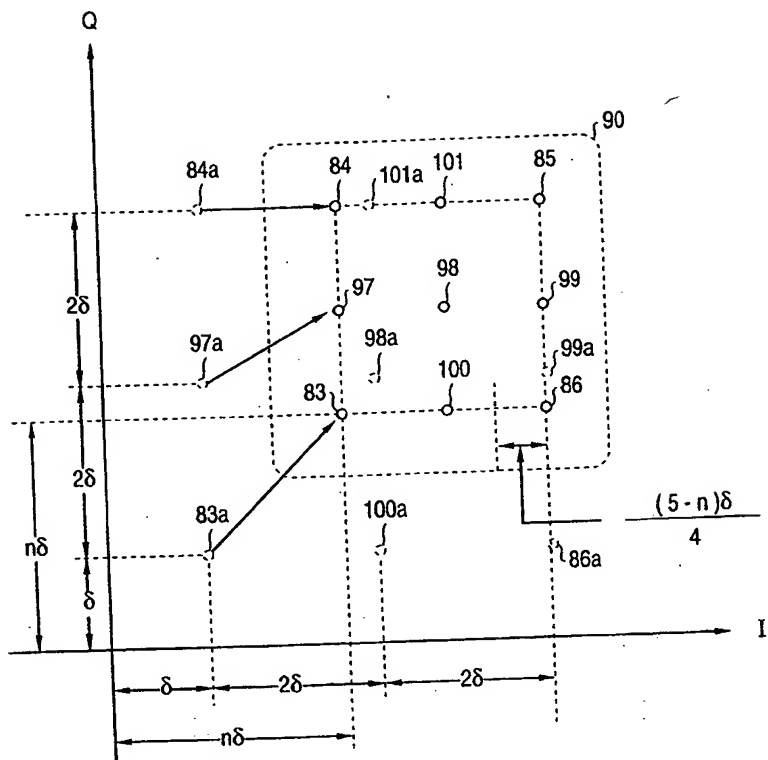


FIG. 101

Pe

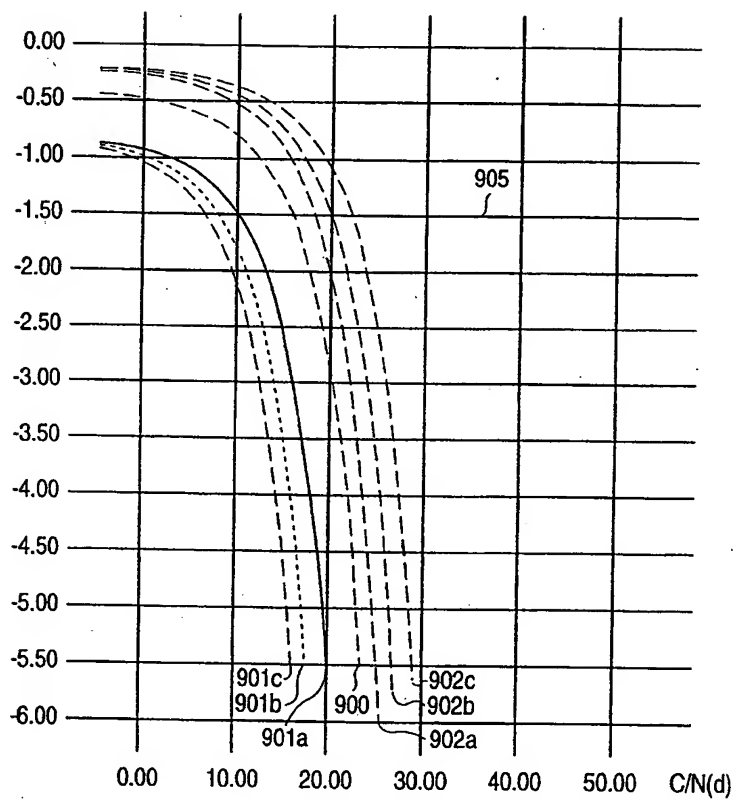


FIG. 102

Pe

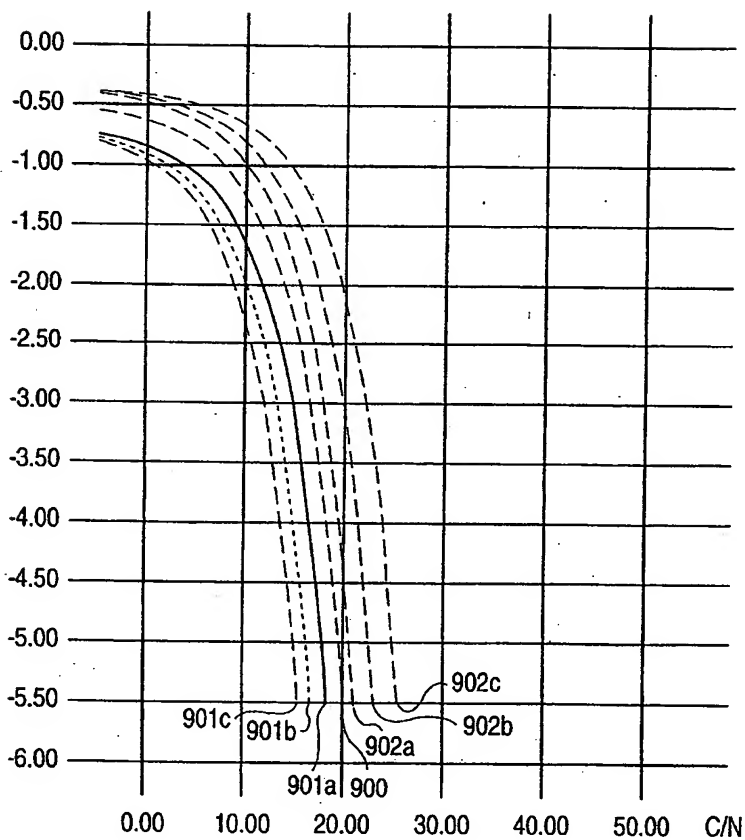


FIG. 103

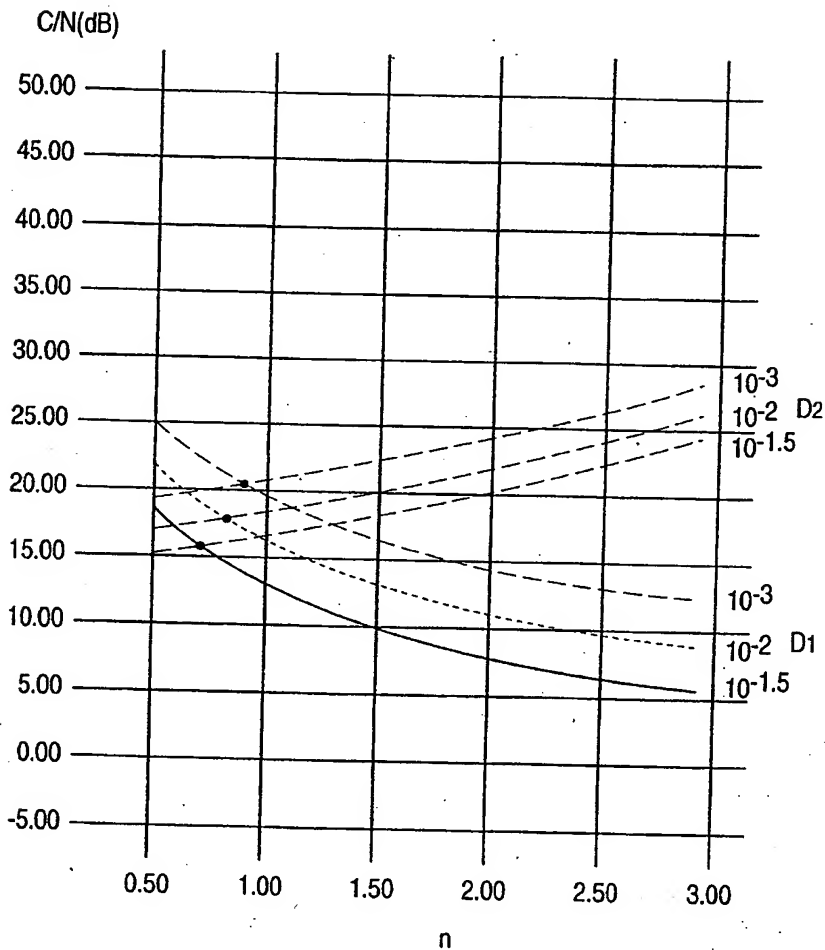


FIG. 104

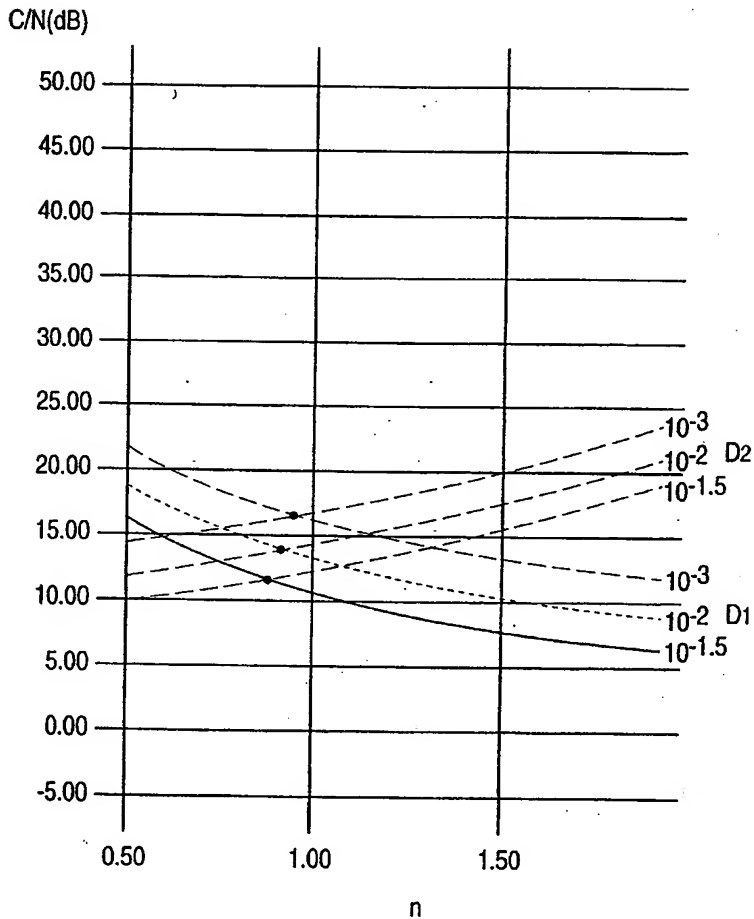


FIG. 105

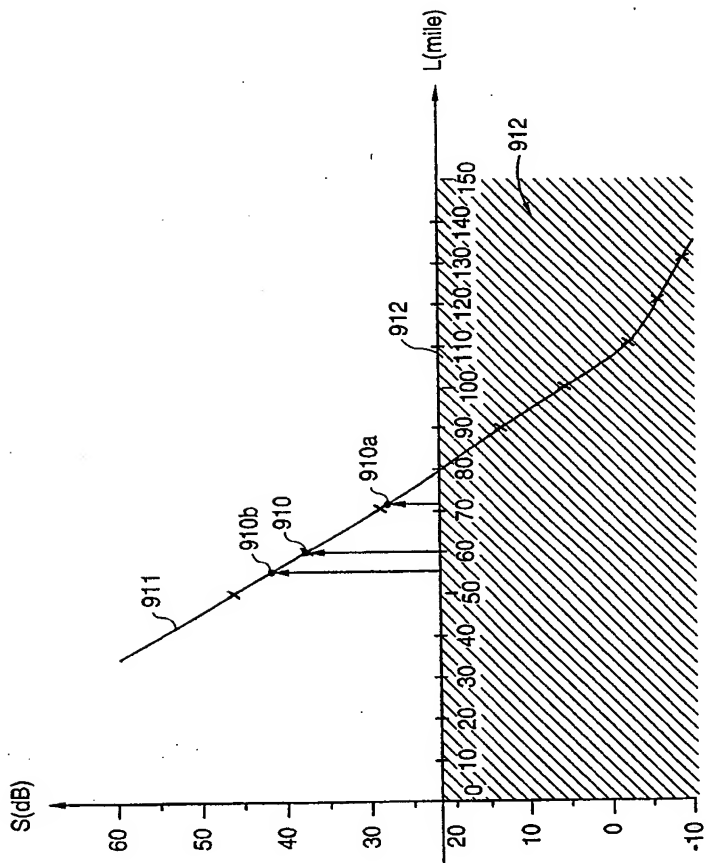


FIG. 106

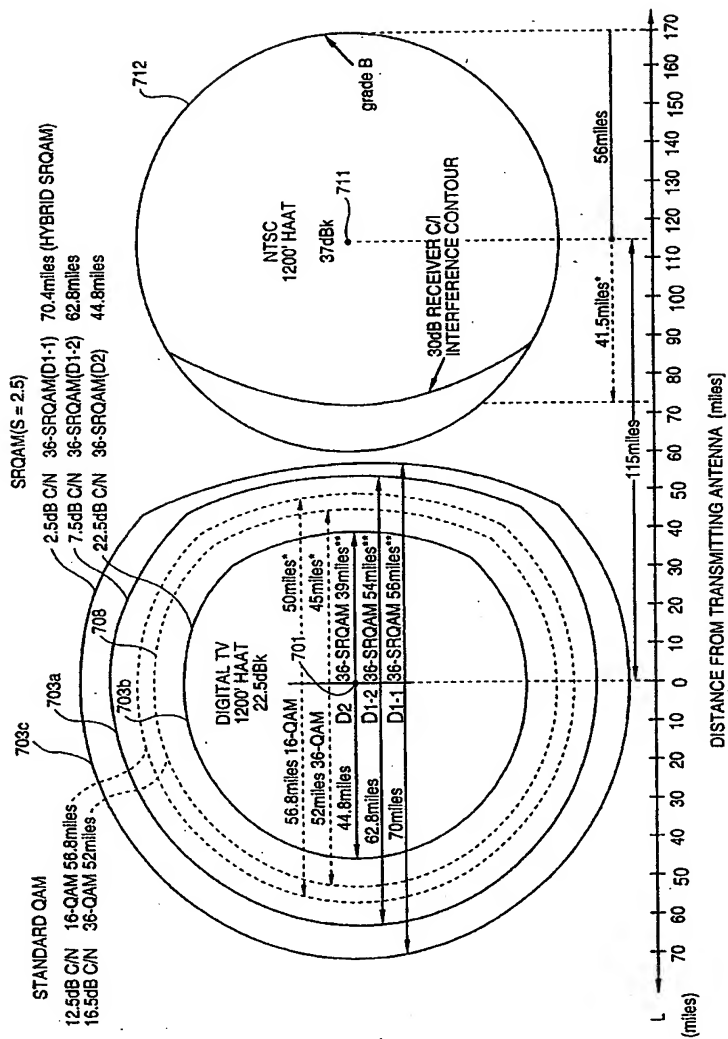


FIG. 107

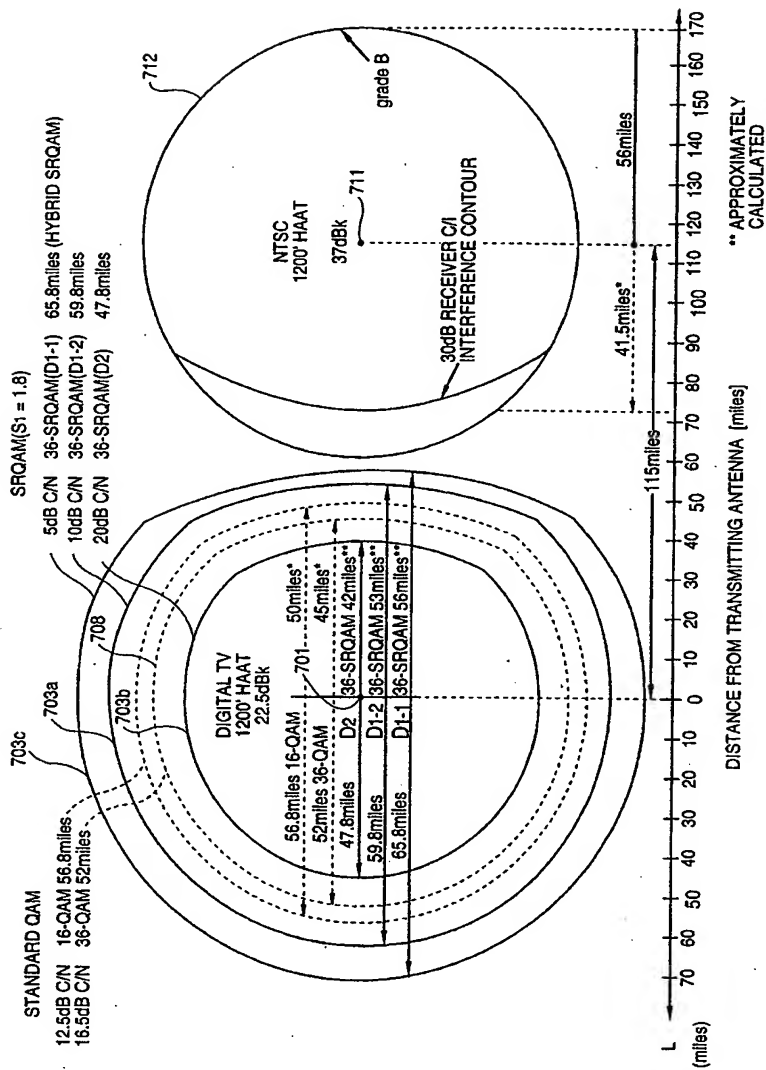


FIG. 108(a)

POWER

NTSC CARRIER 722

725

COLOR CARRIER 723

CARRIER 724

-1.25 0 3.58 4.5 4.75

f

Figure 1 is a power spectrum plot showing two subchannels, A and B, stacked vertically. The vertical axis is labeled 'POWER' and the horizontal axis is labeled 'f'. Subchannel A (Layer A) is centered at 0.625 with a peak power of 720. Subchannel B (Layer B) is centered at 2.25 with a peak power of 721. The power level of Layer B is 726. The frequency range is from -1.25 to 4.5, with a gap between 0 and 2.25. The power difference between layers is P_g .

FIG. 109

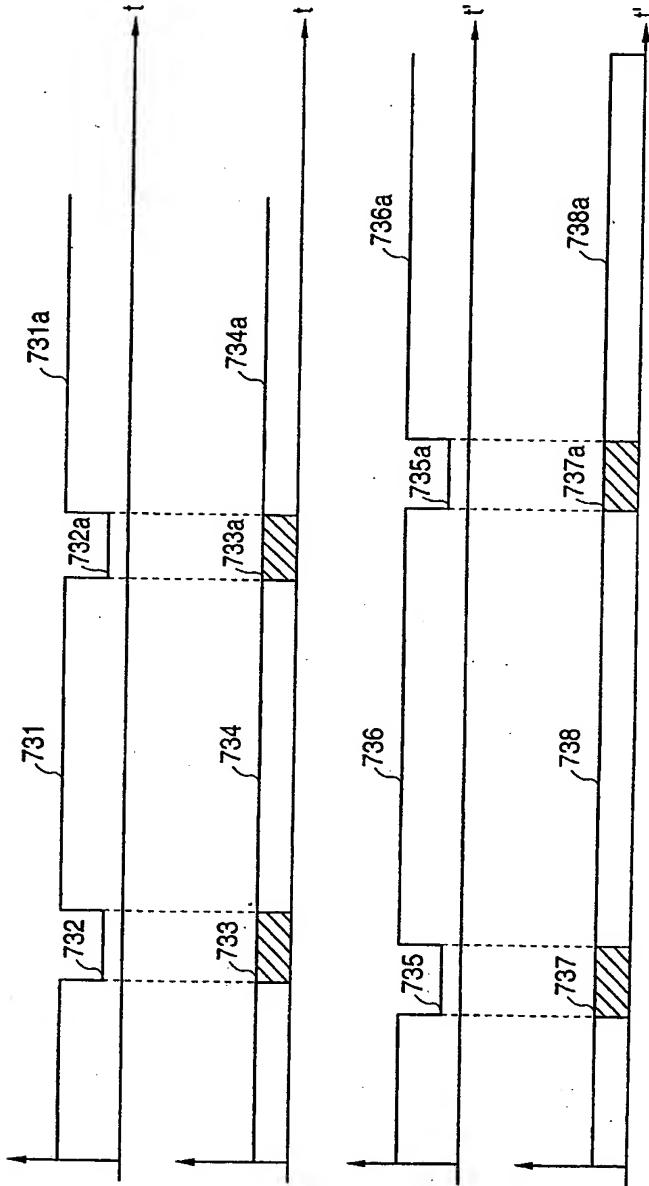
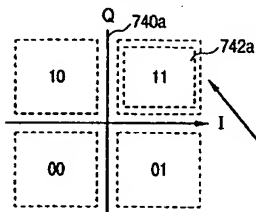


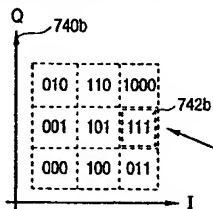
FIG. 111

SUBCHANNEL-1 (SRQAM:D1 = 2bit)



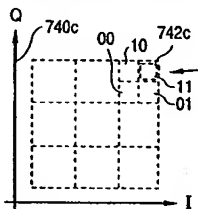
CODE WORD-1

SUBCHANNEL-2 (36-SRQAM:D2 = 3bit + 1/8bit)



CODE WORD-2

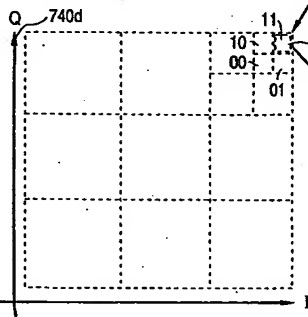
SUBCHANNEL-3 (144-SRQAM:D3 = 2bit)



CODE WORD-3

CODE WORD-4

SUBCHANNEL-4 (576-SRQAM:D4 = 2bit)

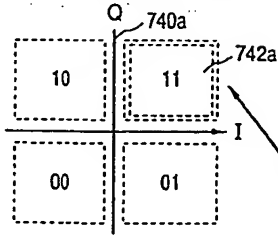


SIGNAL POINT
CODE WORD
11 11 11 11

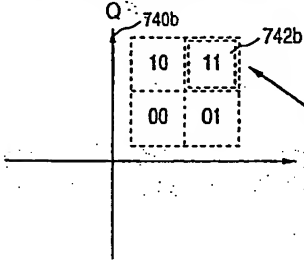
741a ~ 11 2bit
741b ~ 111 3+1/8bit
741c ~ 11 2bit
741d ~ 11 2bit
9+1/8bit

FIG. 112 (Amended)

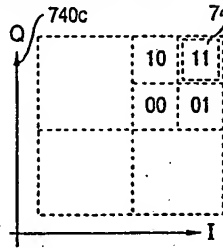
SUBCHANNEL-1 (SRQAM:D1 = 2bit)



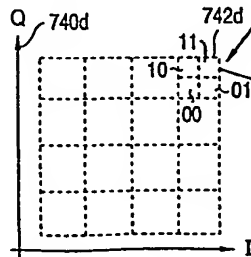
SUBCHANNEL-2 (16-SRQAM:D2 = 2bit)



SUBCHANNEL-3 (64-SRQAM:D3 = 2bit)



SUBCHANNEL-4 (256-SRQAM:D4 = 2bit)

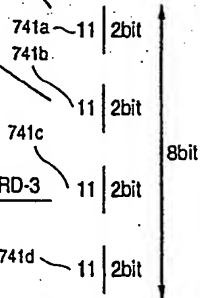


CODE WORD-1

CODE WORD-2

CODE WORD-3

CODE WORD-4



SIGNAL POINT
CODE WORD
11 11 11 11

FIG. 113

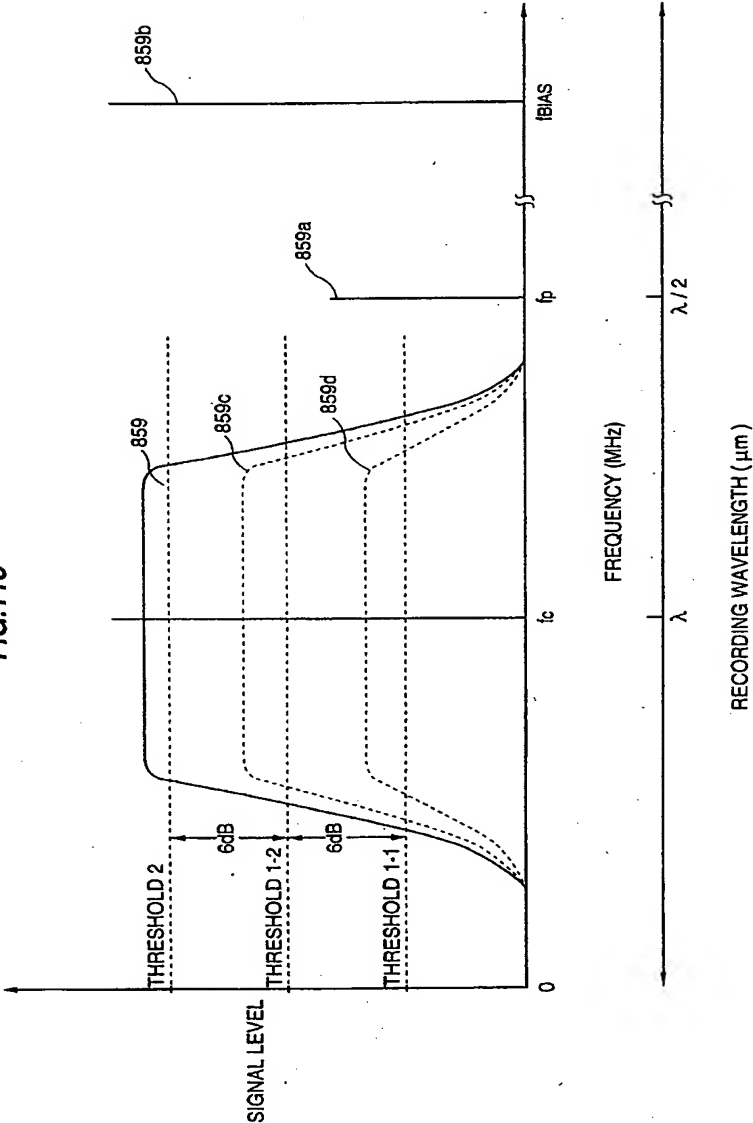


FIG. 114

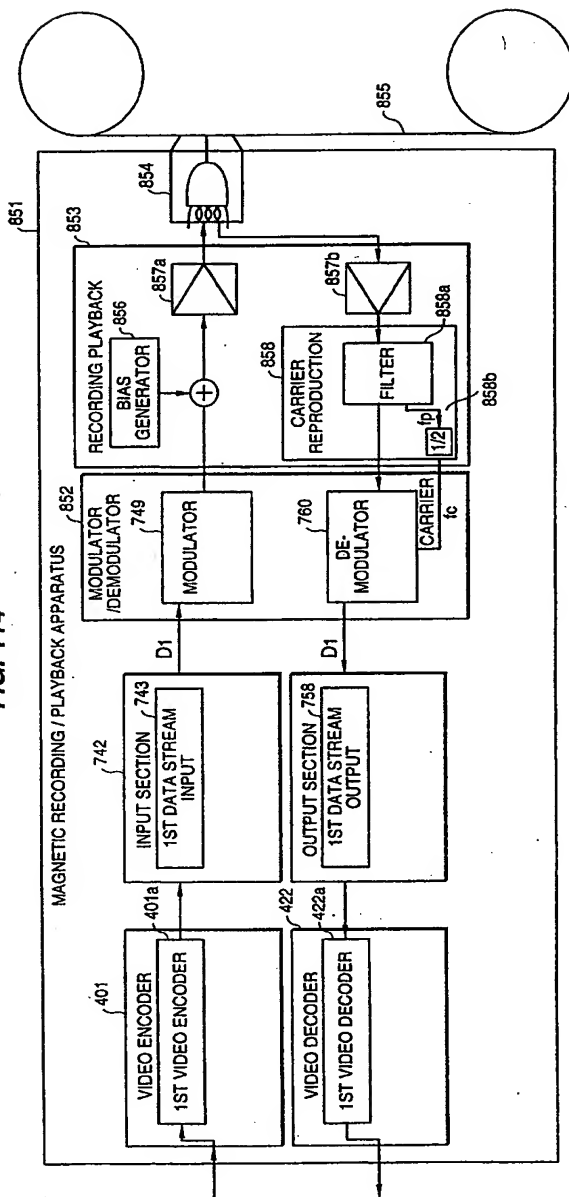


FIG. 115

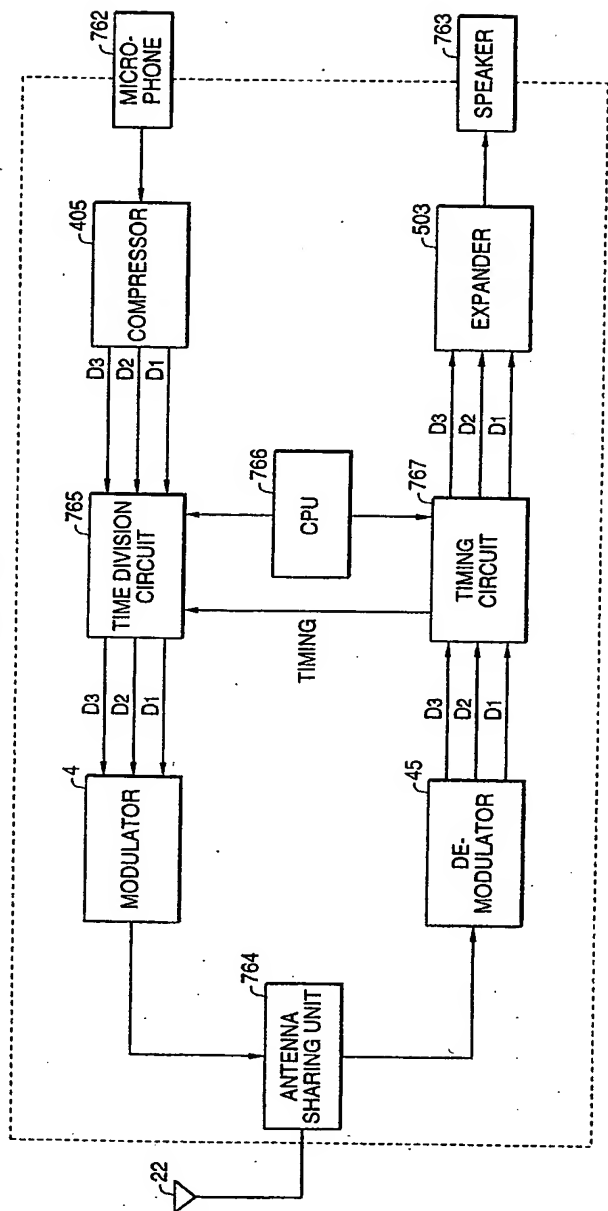


FIG. 116

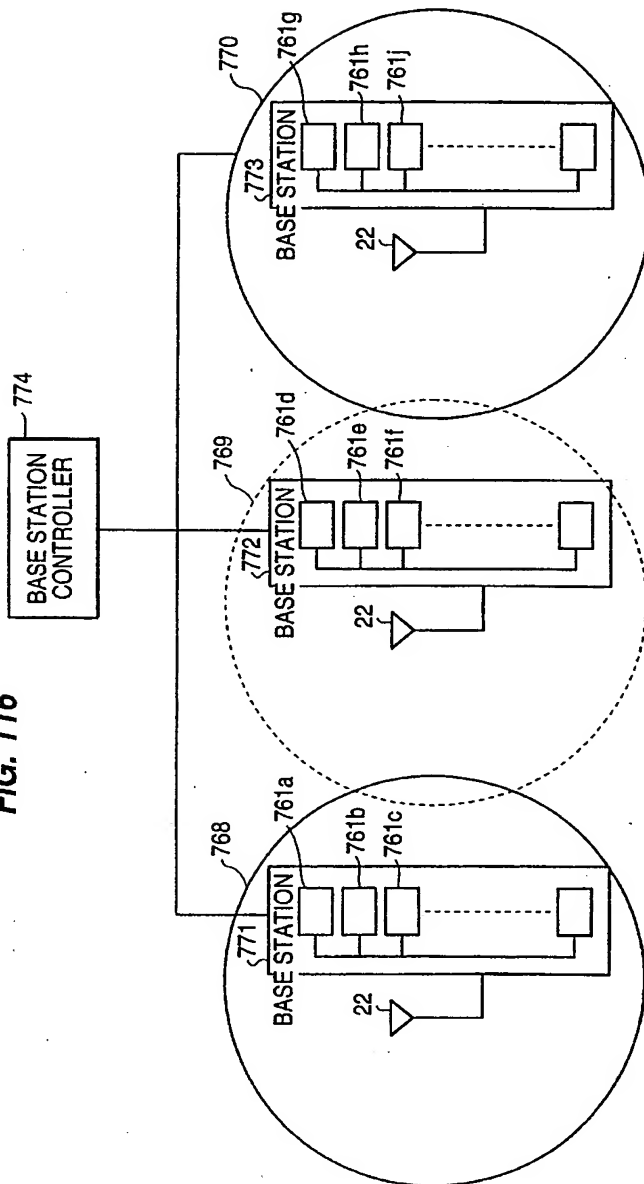


FIG. 117

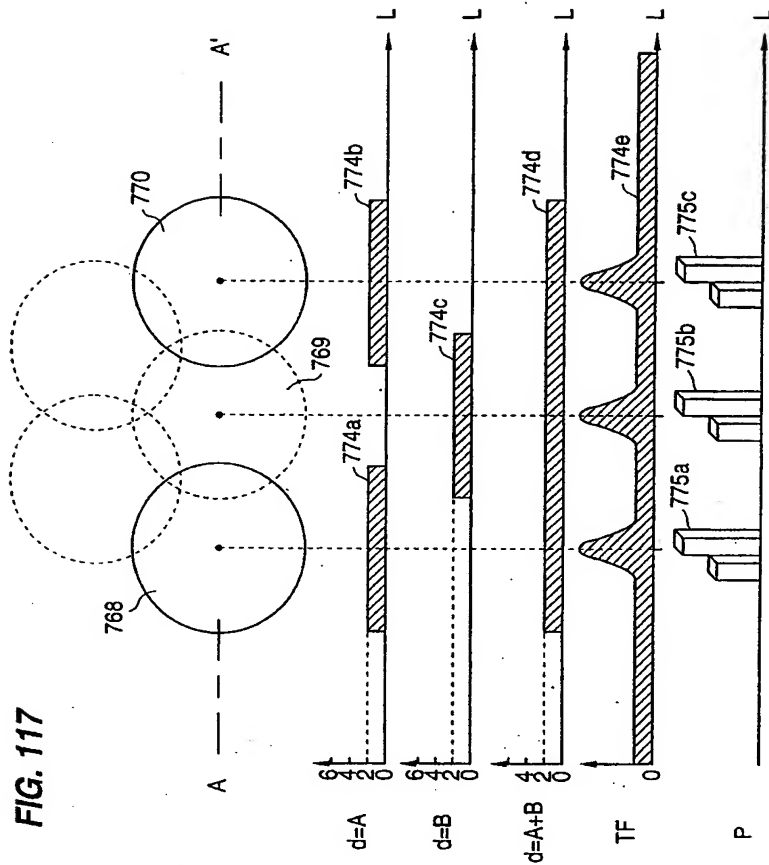


FIG. 118

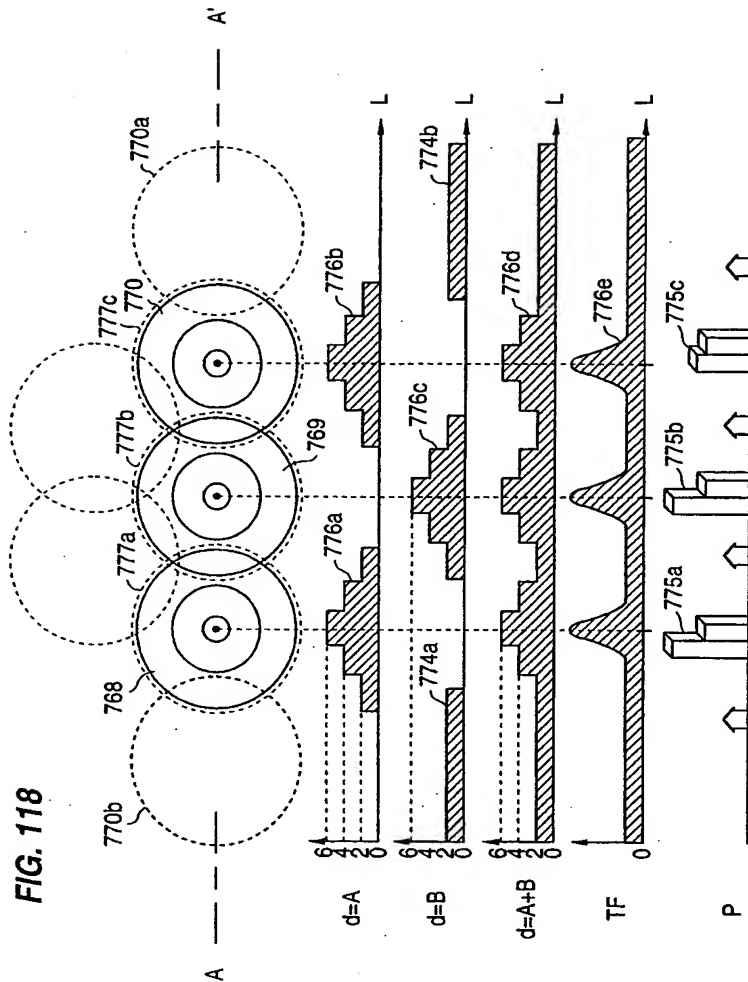


FIG. 119(a)

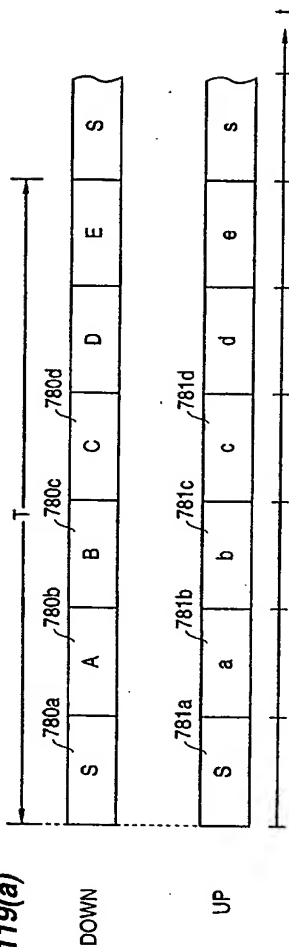


FIG. 119(b)

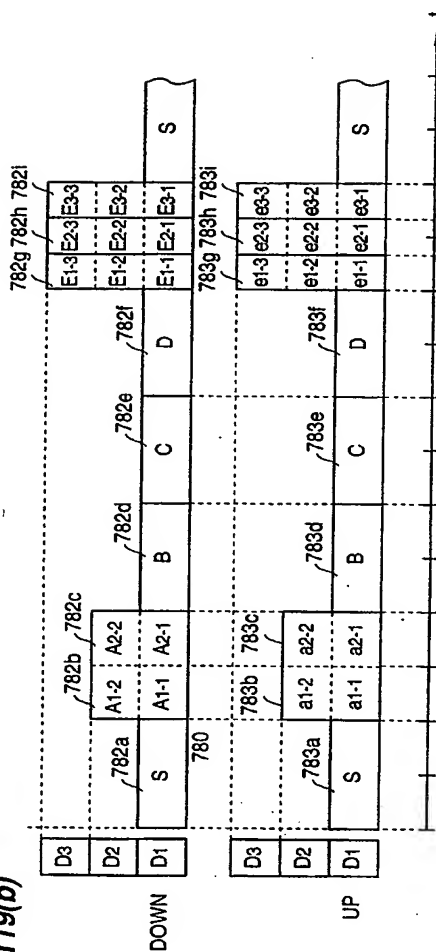


FIG. 120(a)

[illegible]

FIG. 120(b)

D3	788i 788k 788m 788l 788j 788h 788p 788q 788s 788t									
D2	788g 788f 788e 788d 788c 788b 788a 788 788u									
D1	788 788 788 788 788 788 788 788 788 788									

FIG. 121

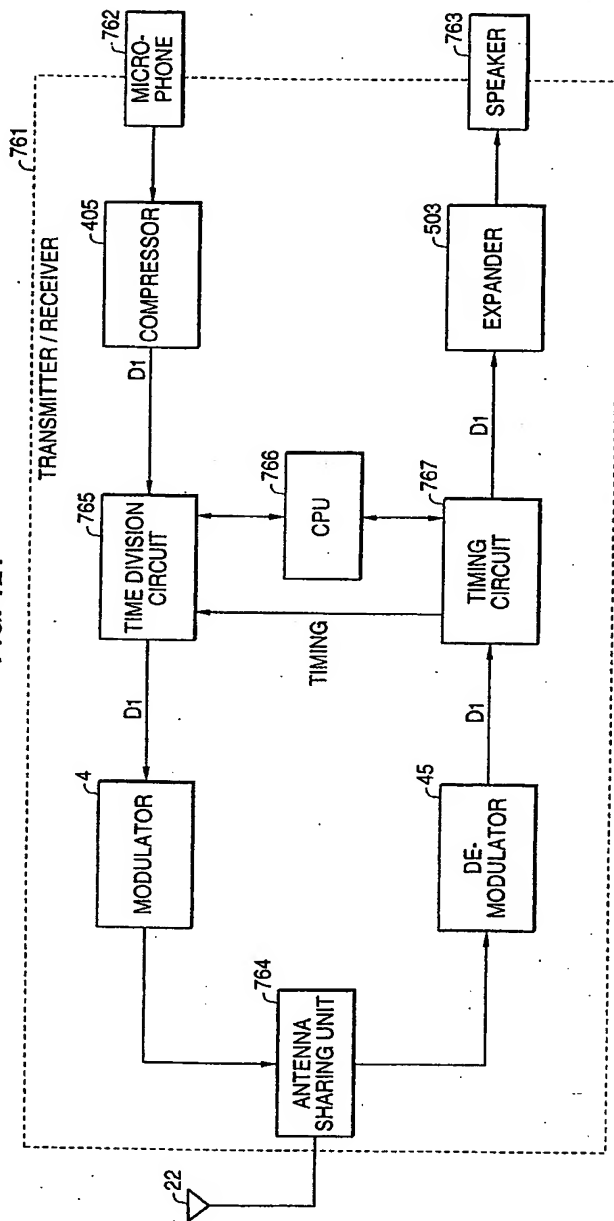


FIG. 122

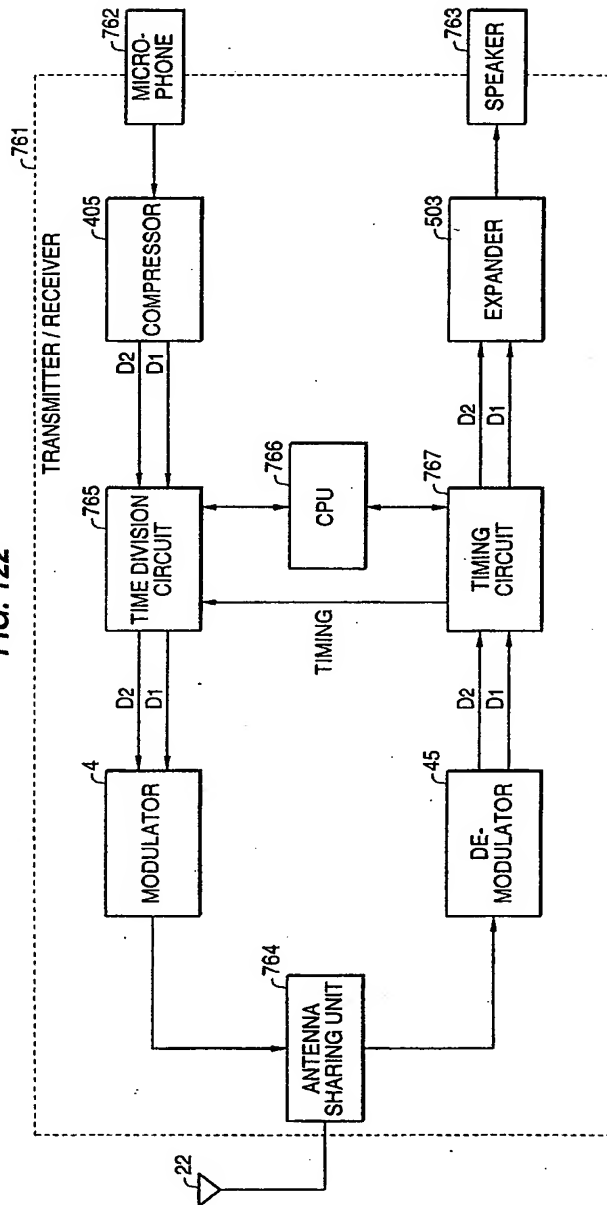
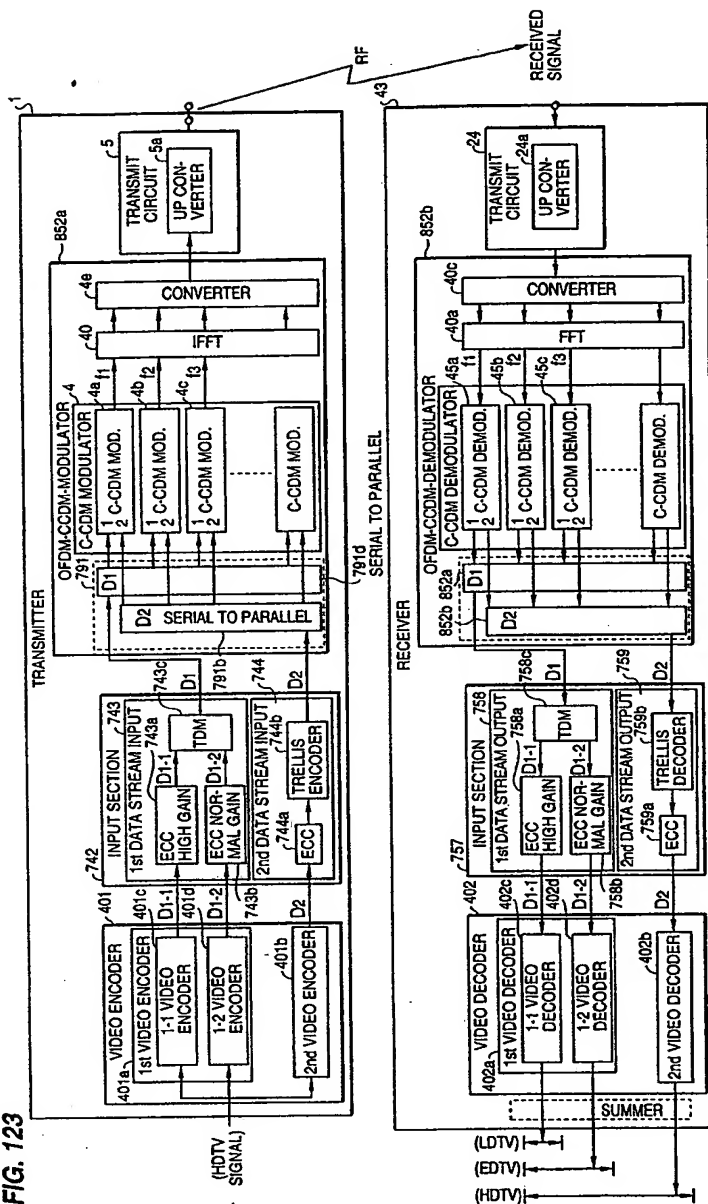
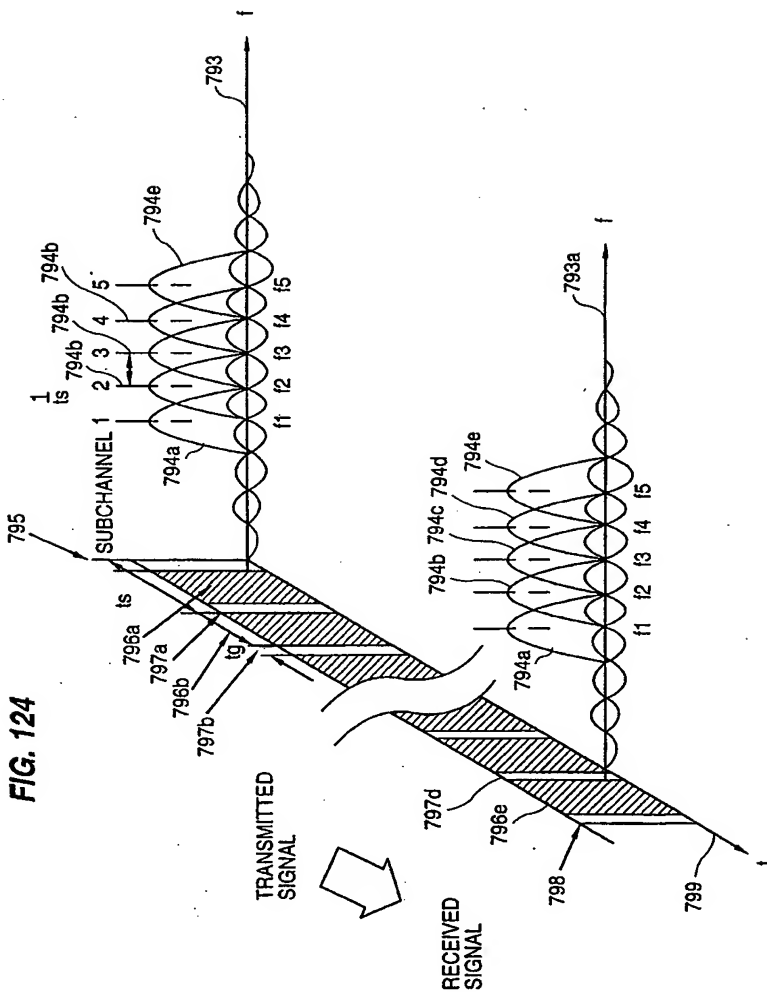
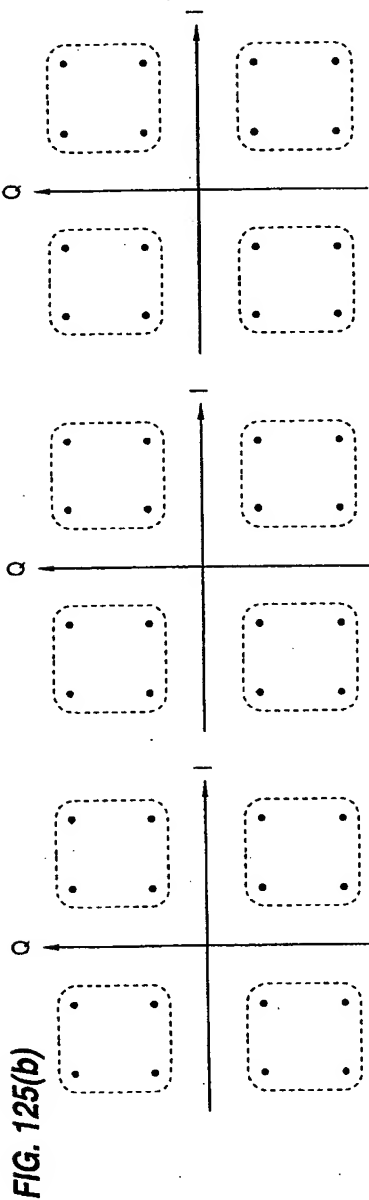
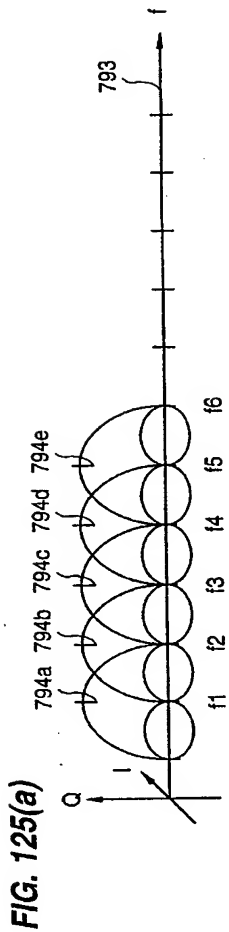


FIG. 123







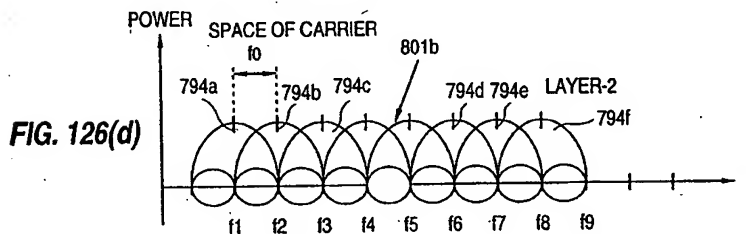
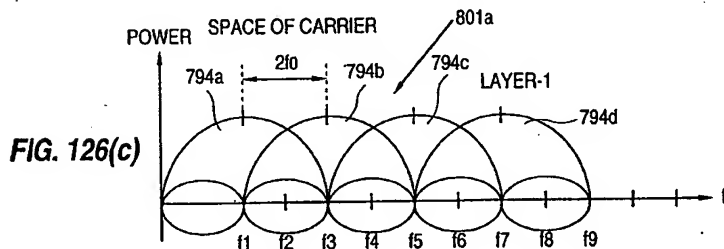
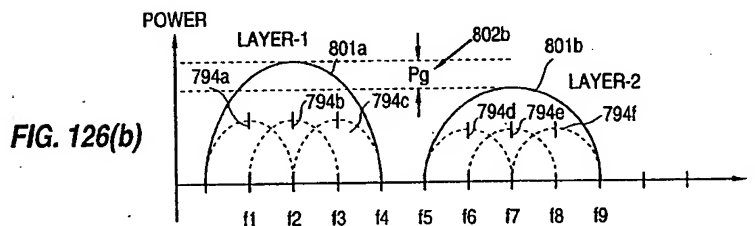
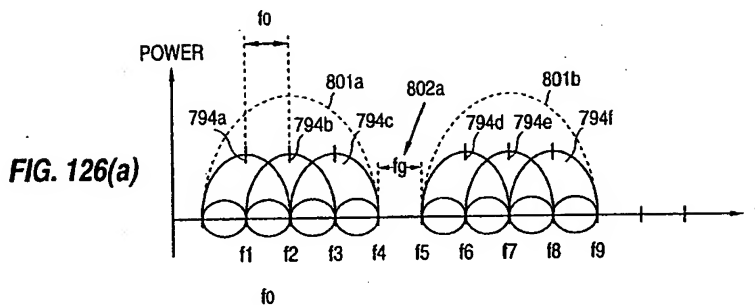


FIG. 127

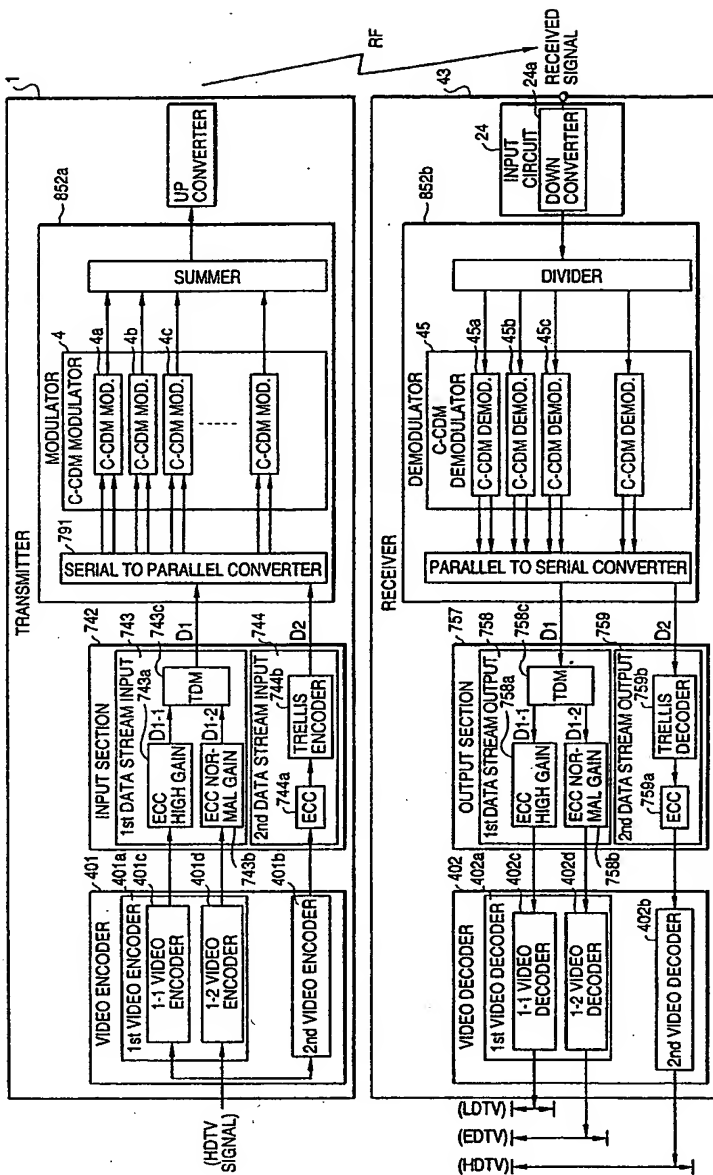


FIG. 128(a)

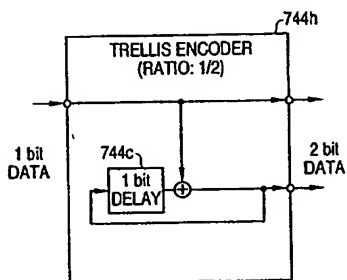


FIG. 128(d)

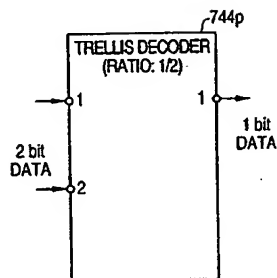


FIG. 128(b)

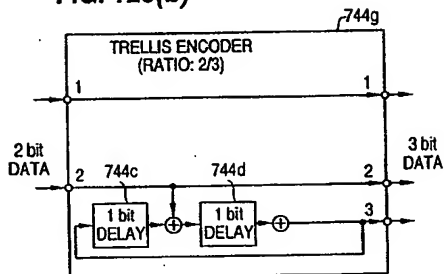


FIG. 128(e)

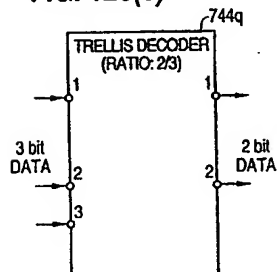


FIG. 128(c)

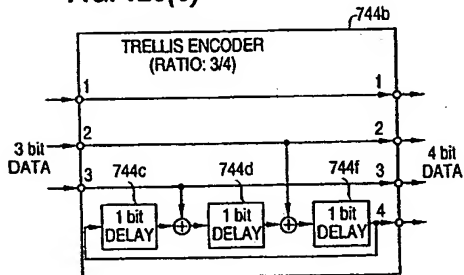


FIG. 128(f)

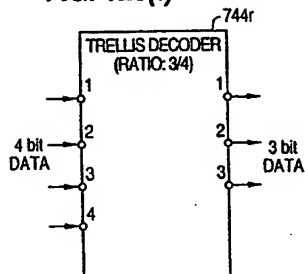


FIG. 129

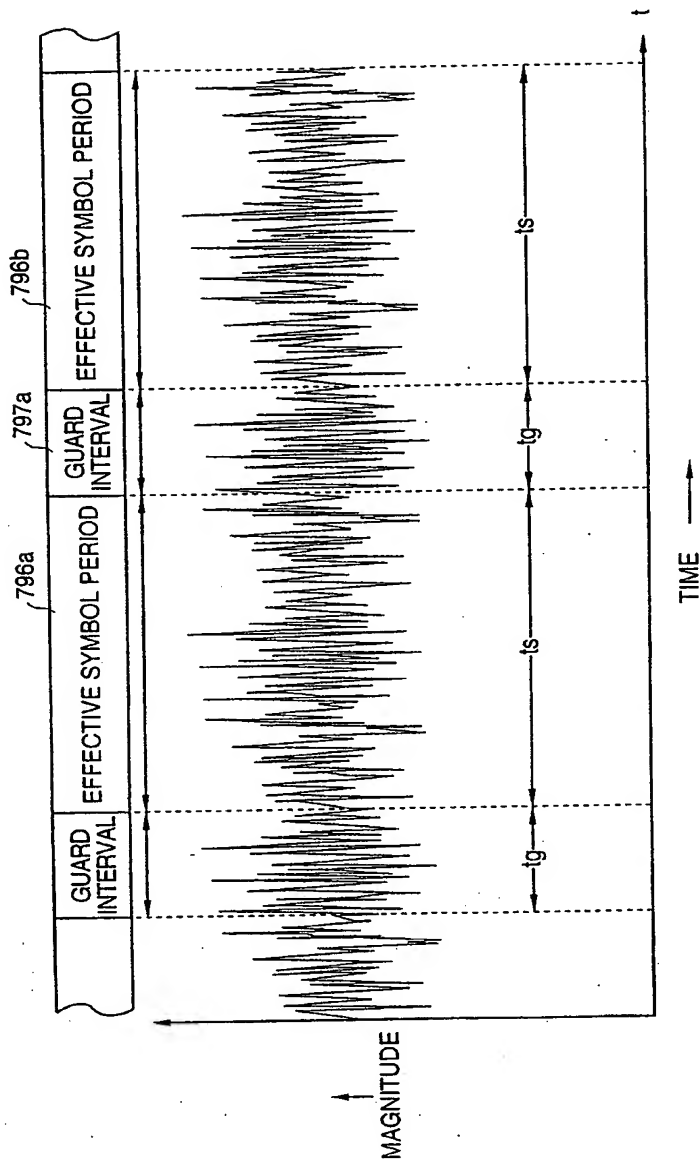


FIG. 130

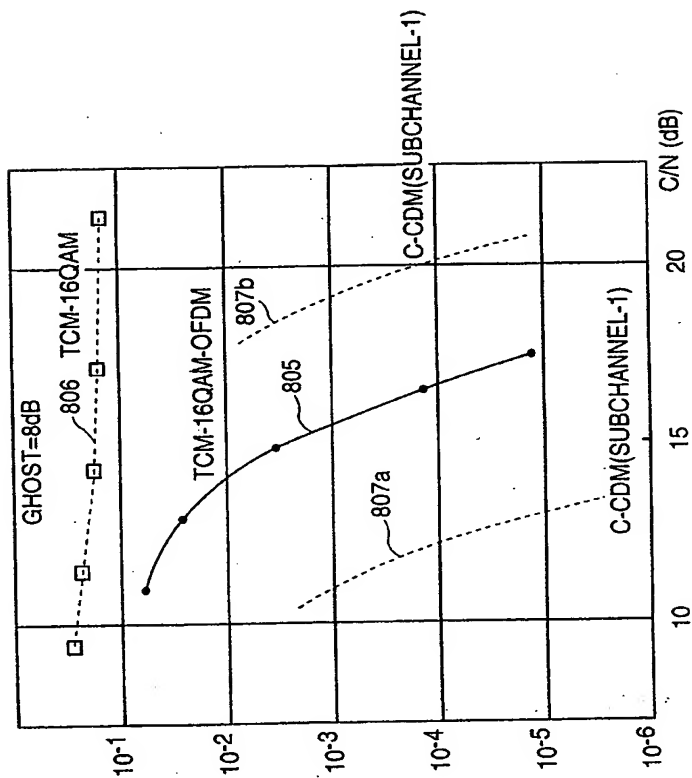
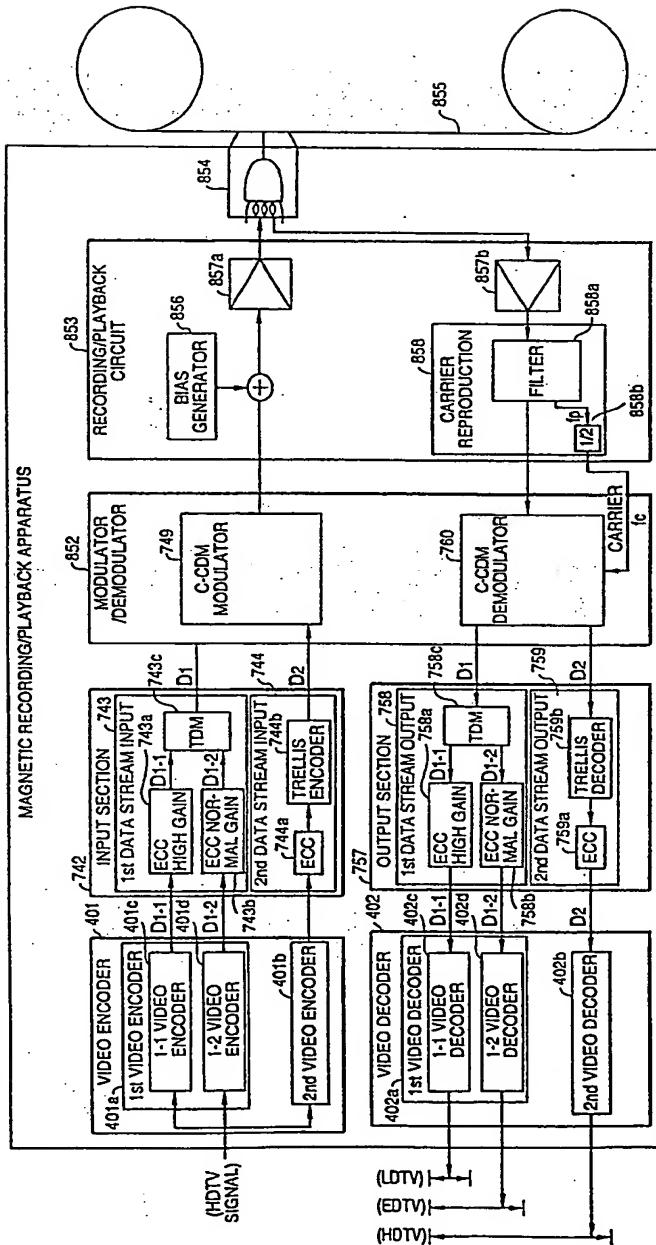


FIG. 131 (Amended)



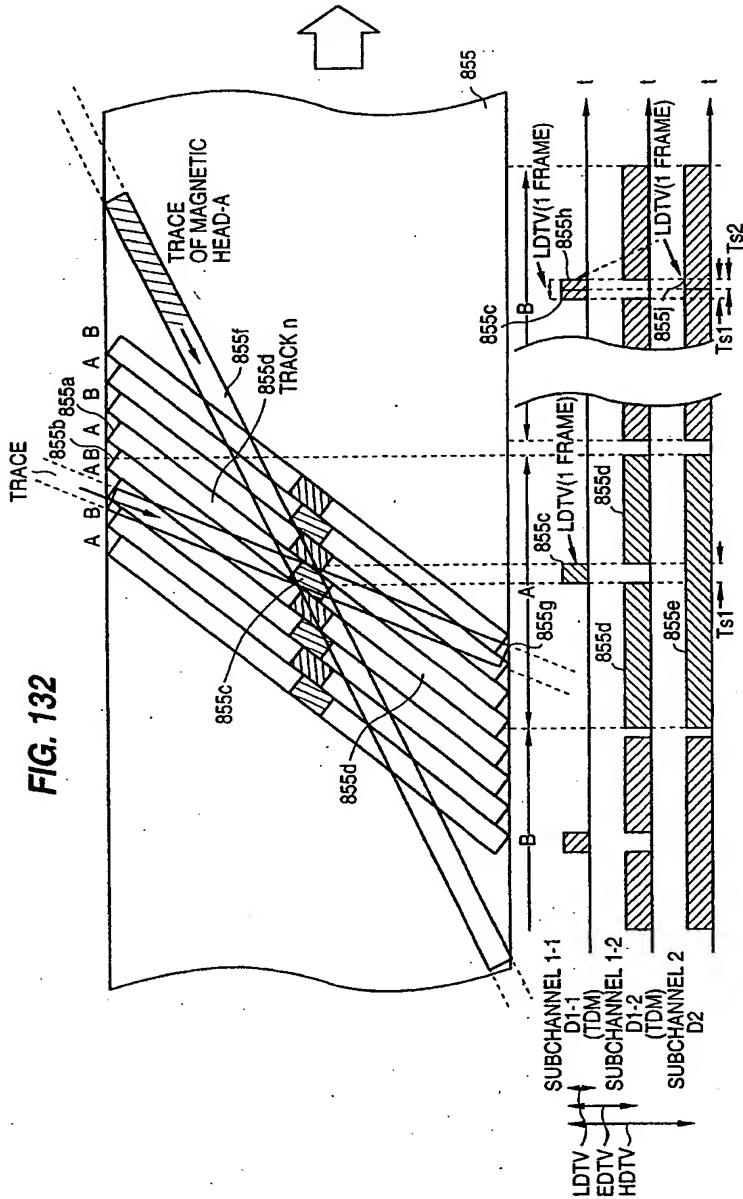


FIG. 133

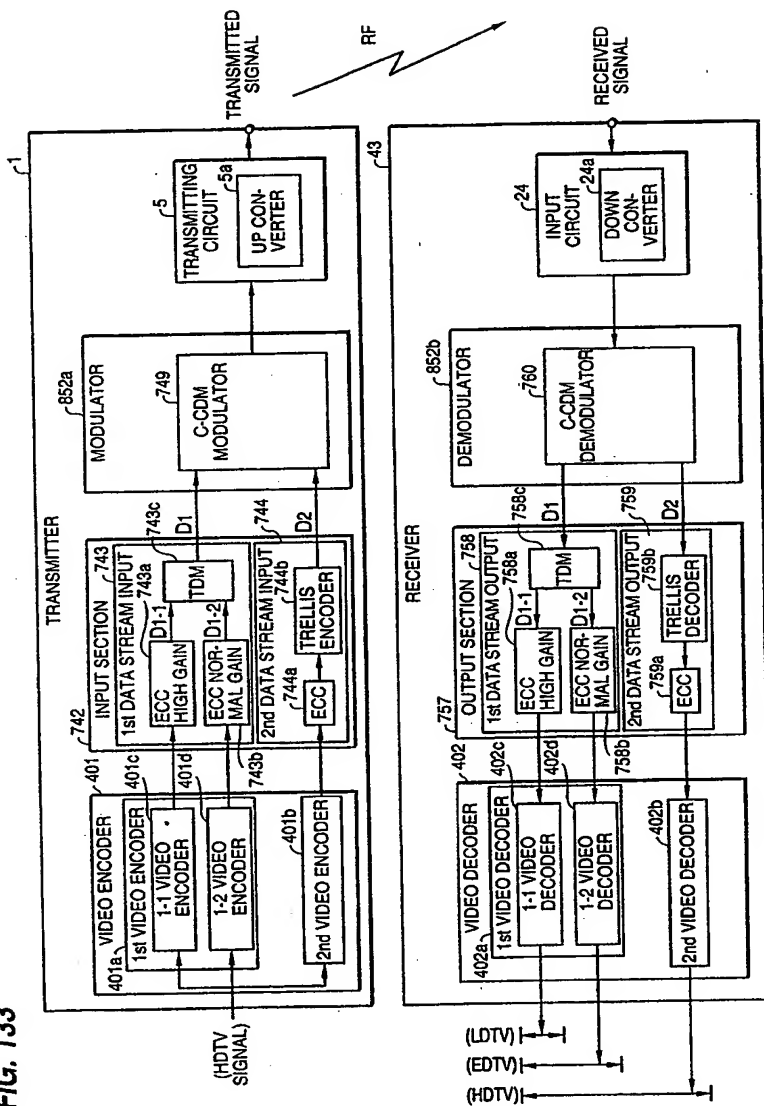


FIG. 134

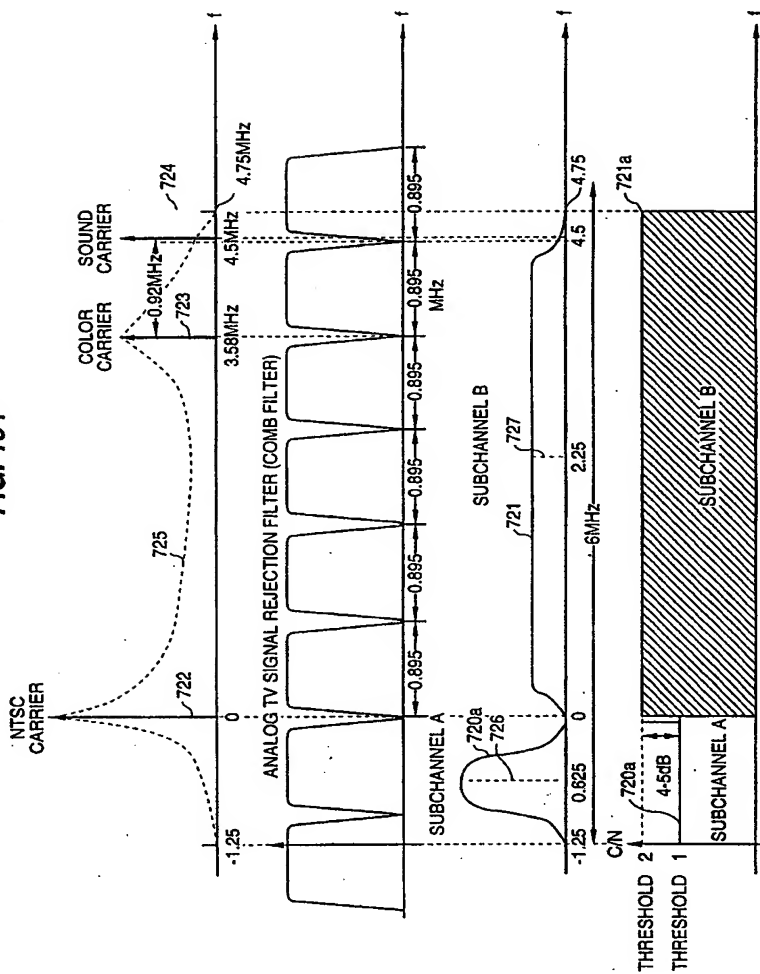


FIG. 135

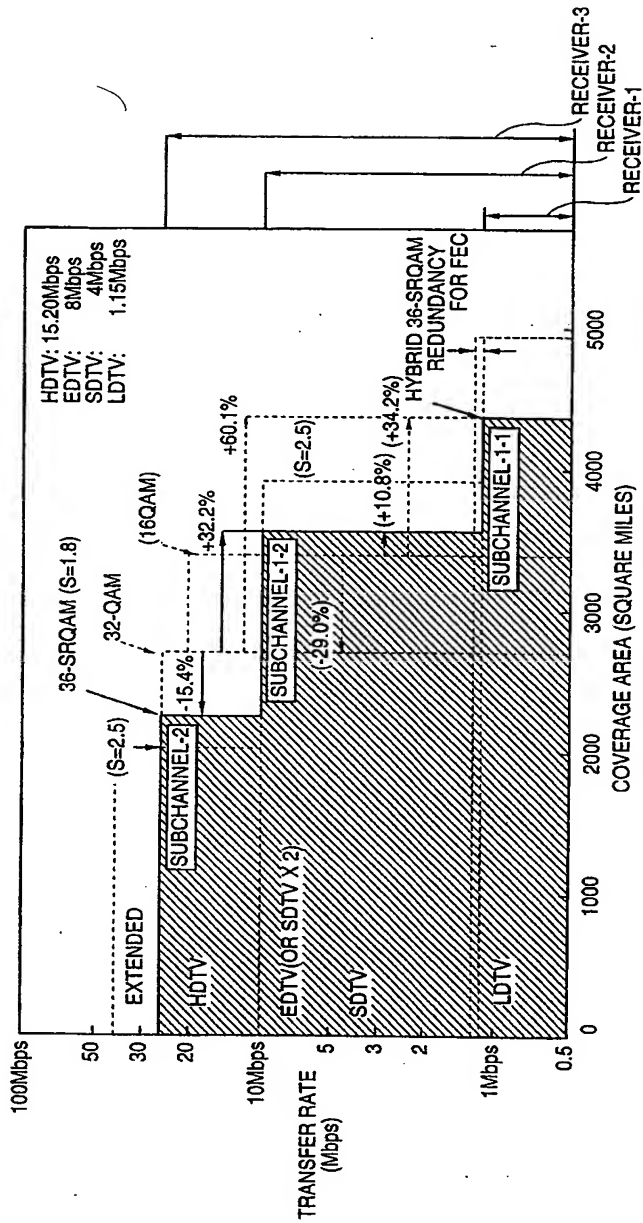


FIG. 136

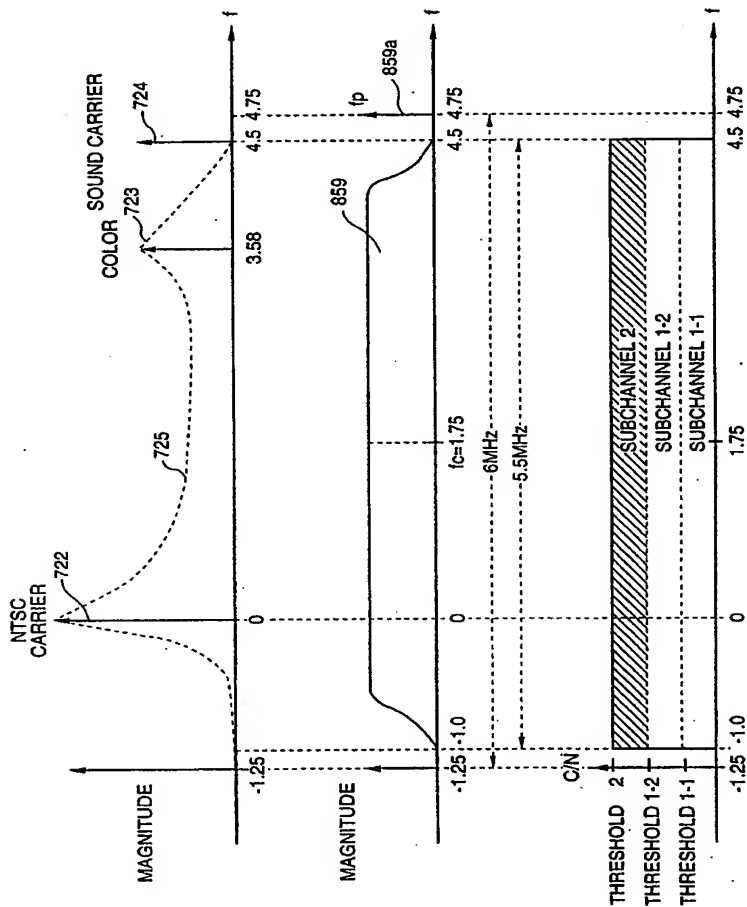


FIG. 137

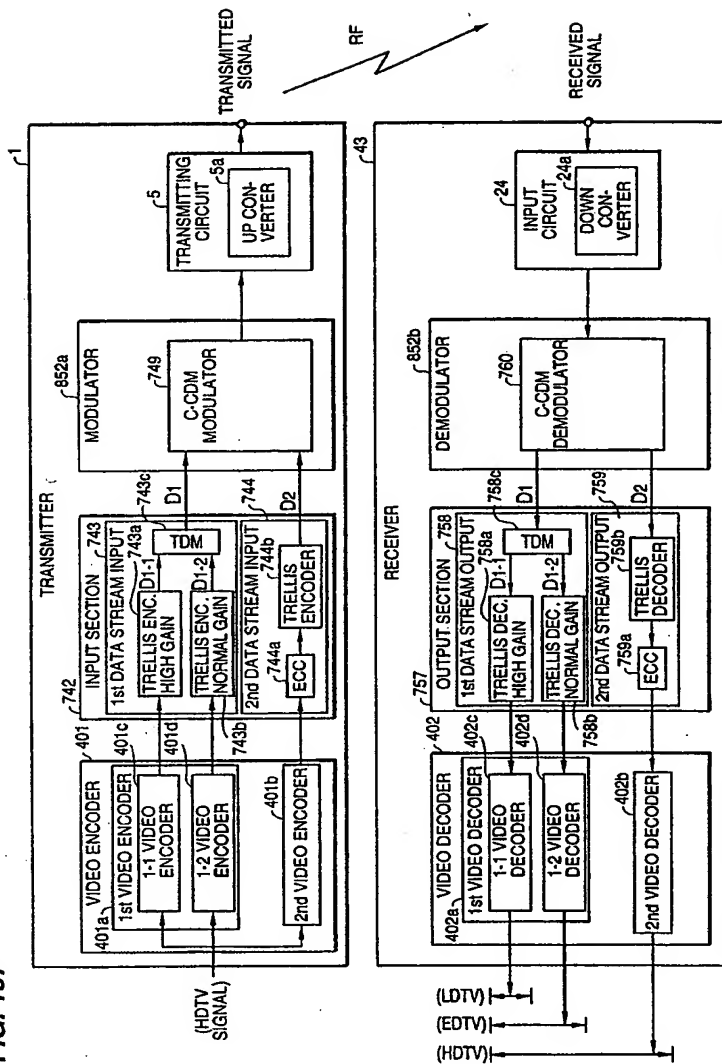


FIG. 138 (Amended)

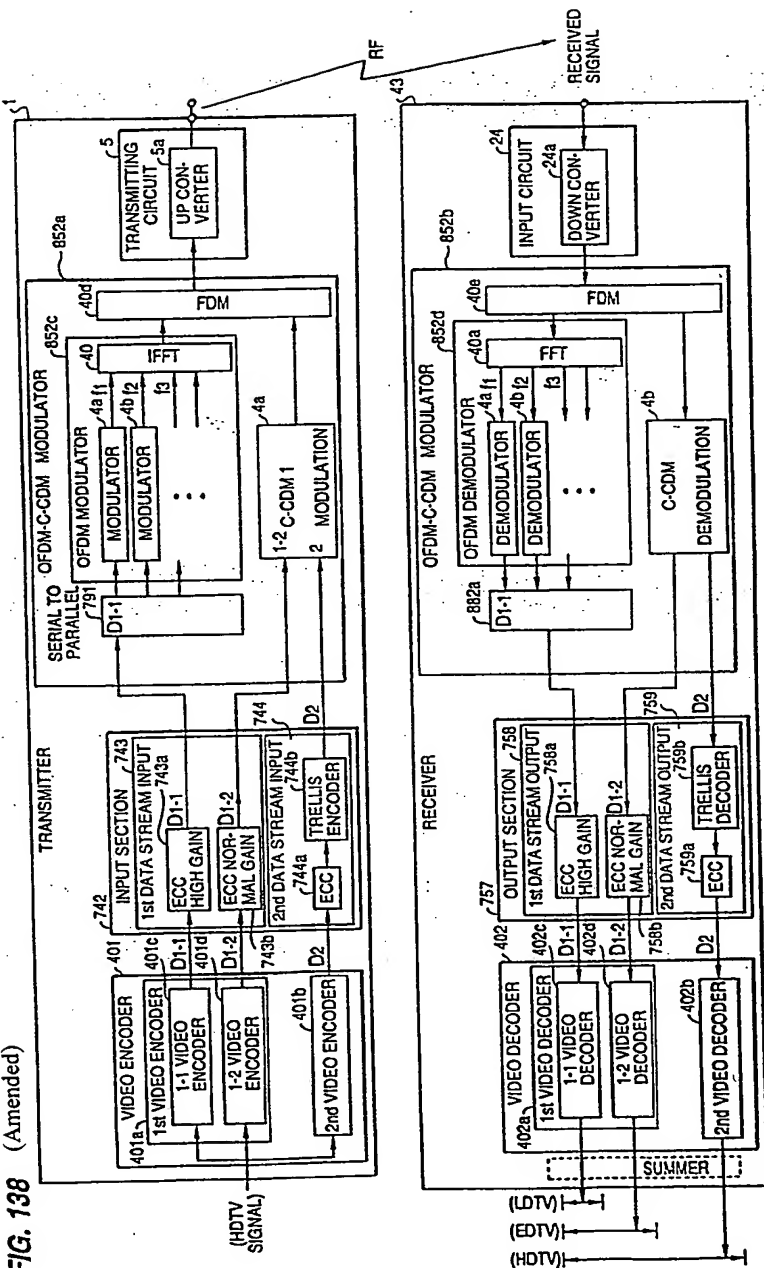


FIG. 139

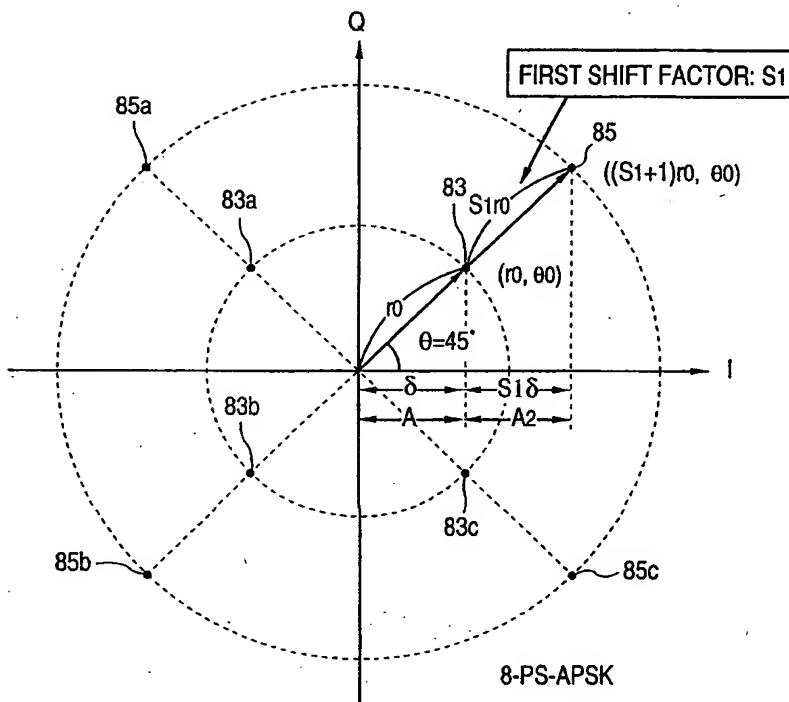


FIG. 140

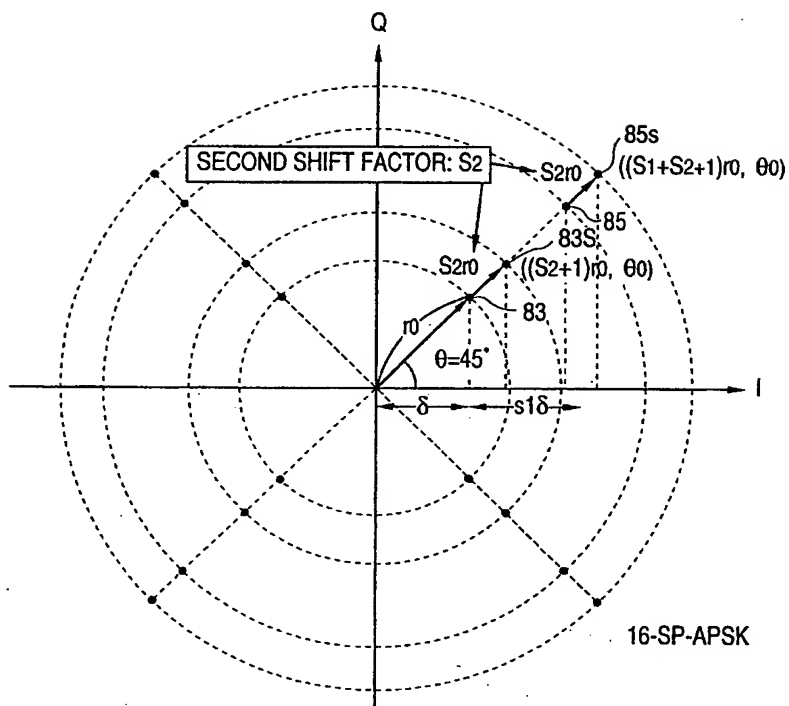


FIG. 141

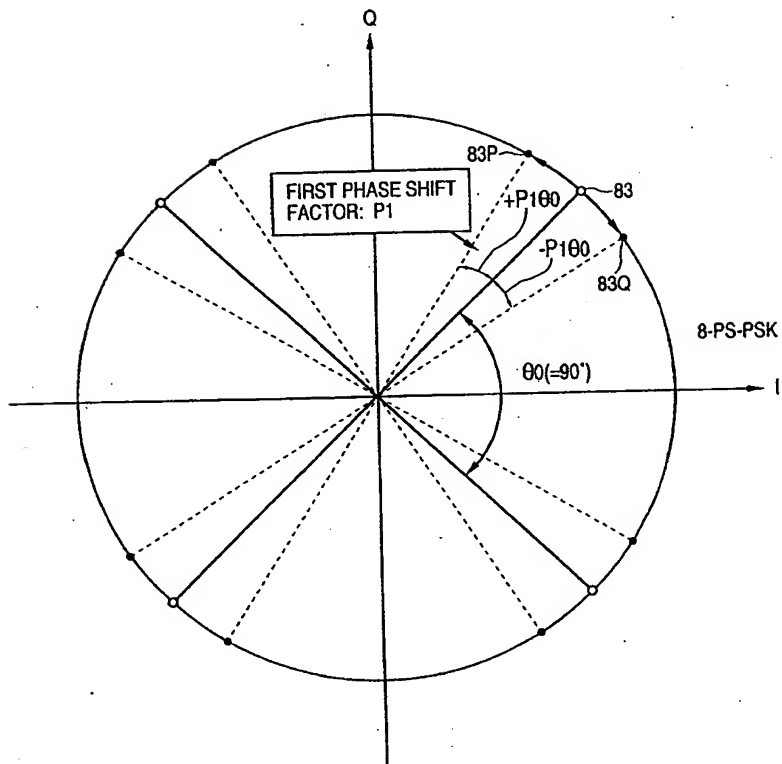


FIG. 142

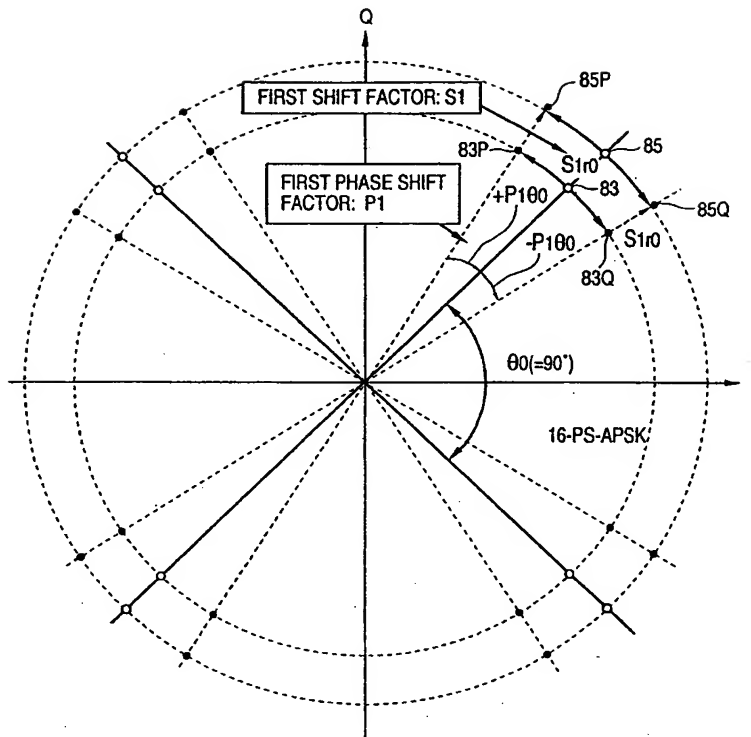


FIG. 143

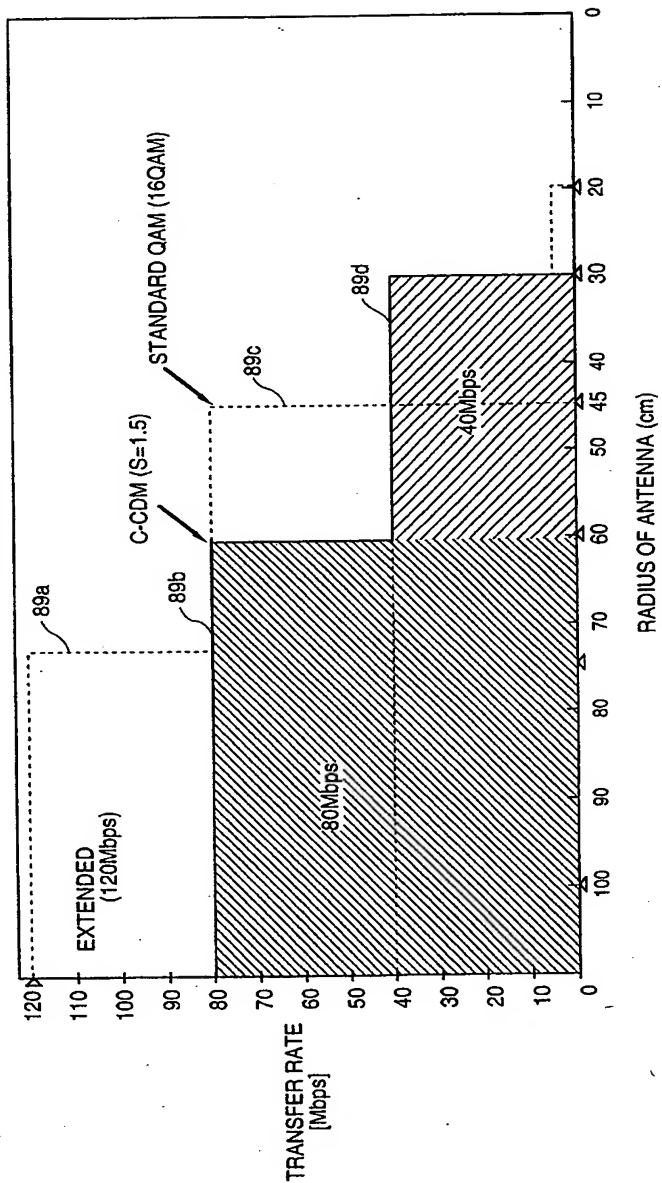


FIG. 144 (Amended)

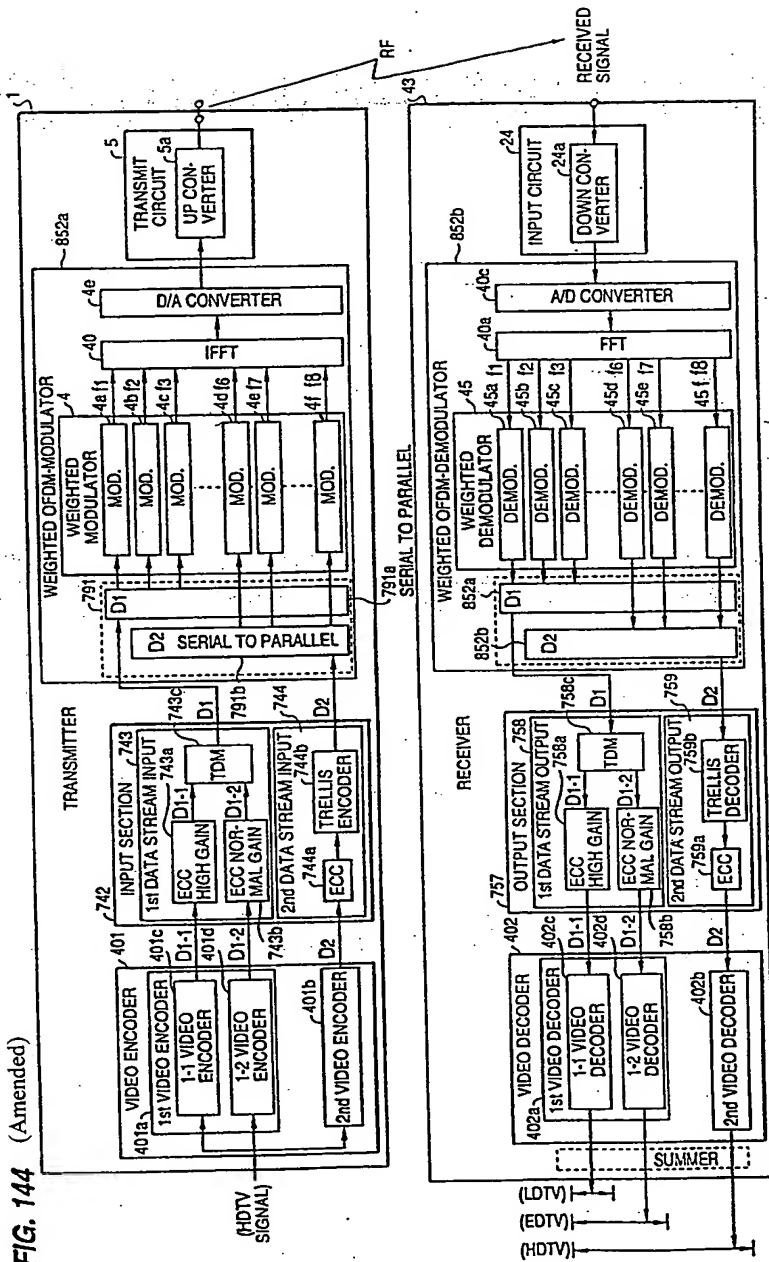


FIG. 146

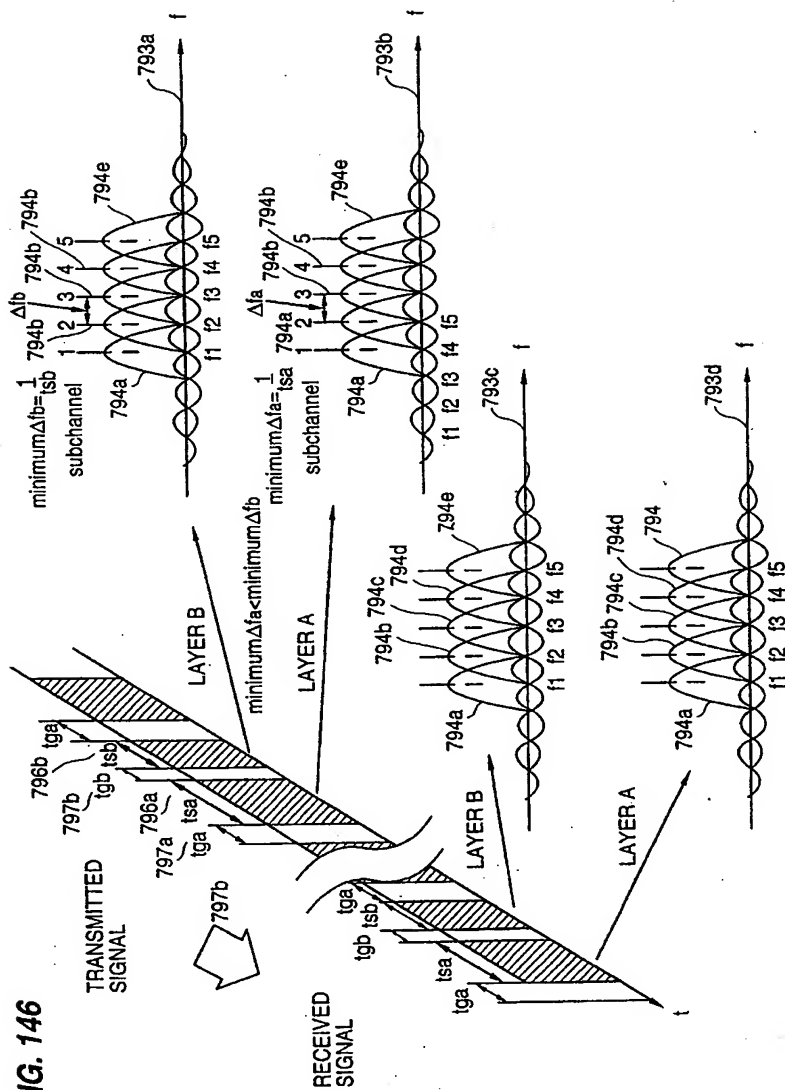


FIG. 147

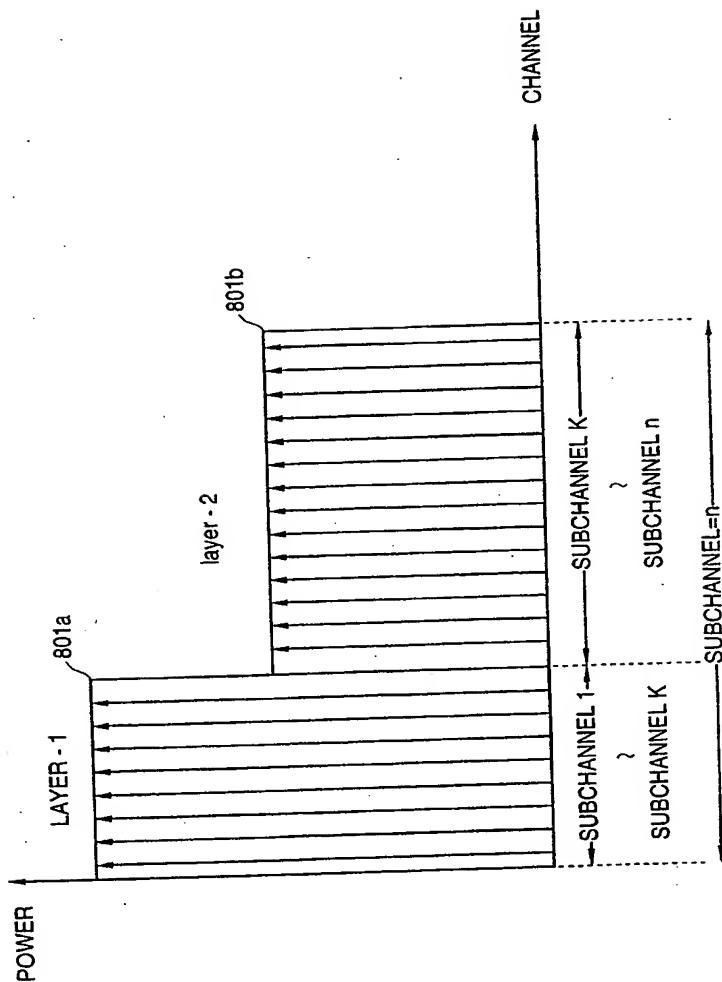
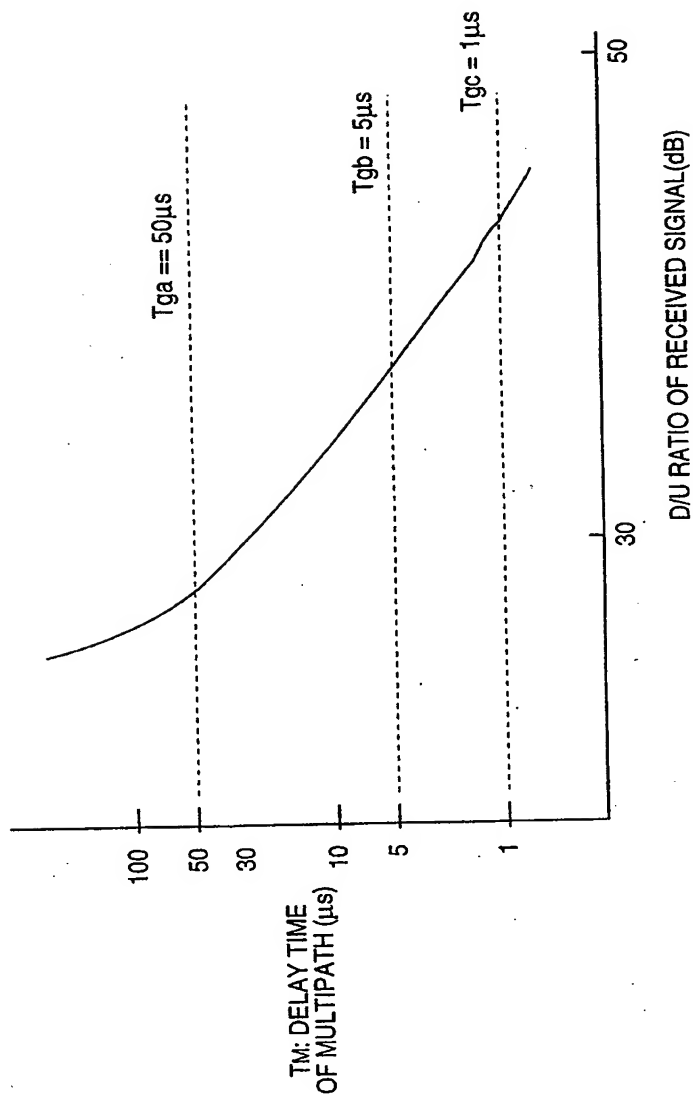


FIG. 148



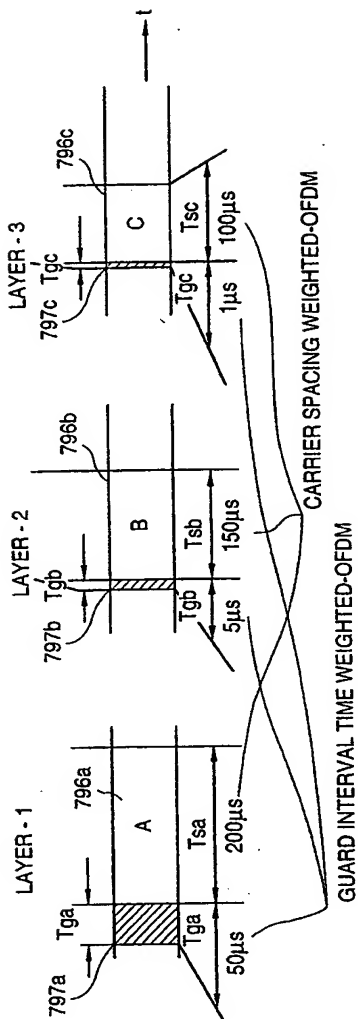
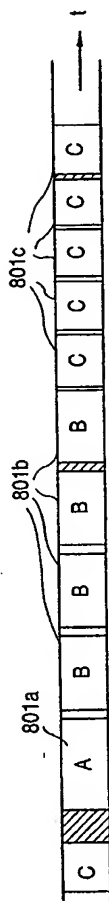
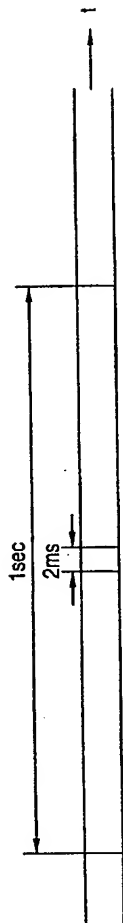


FIG. 150

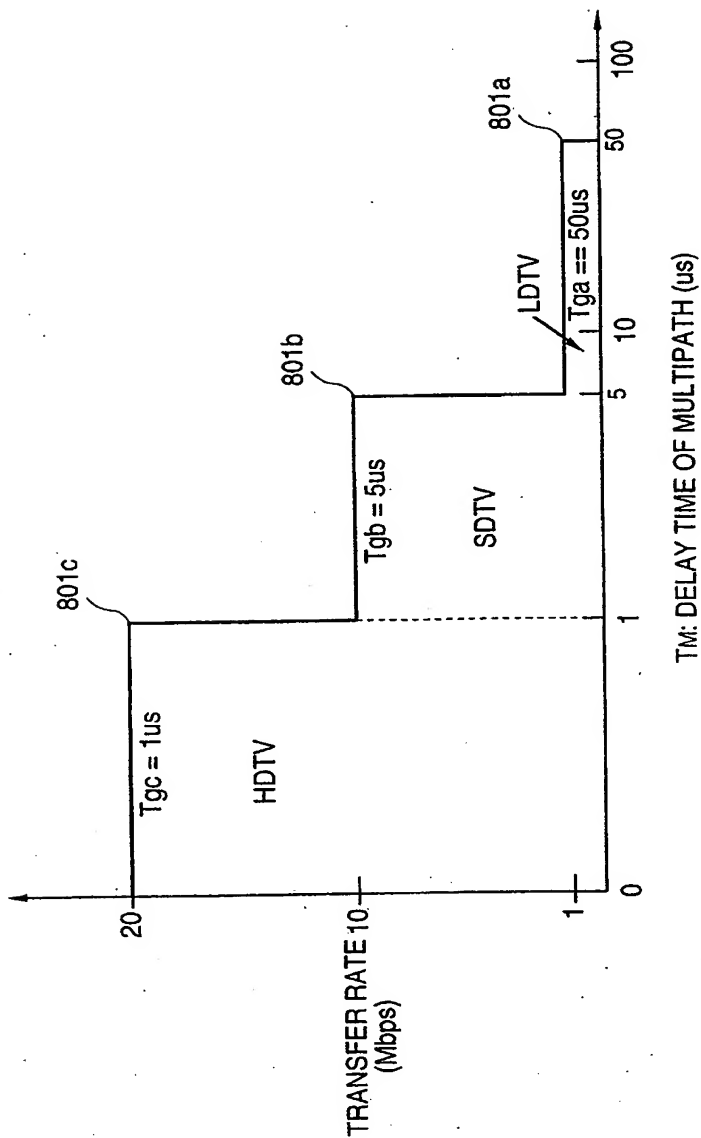


FIG. 151

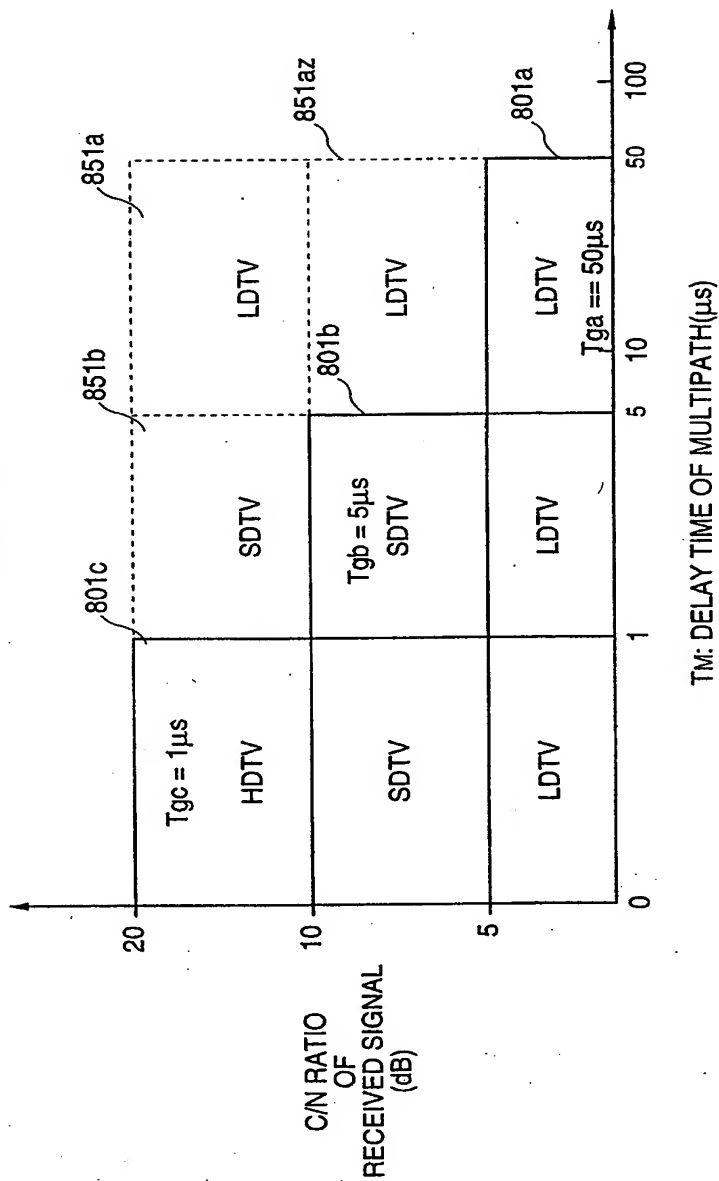


FIG. 152

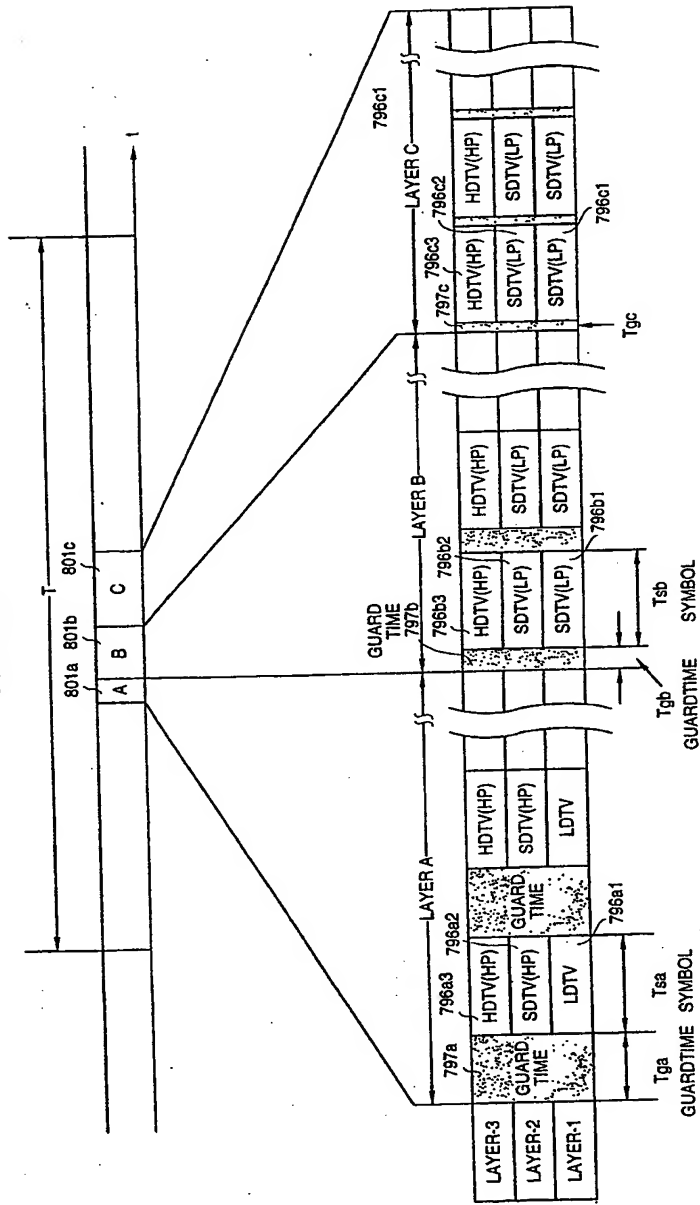
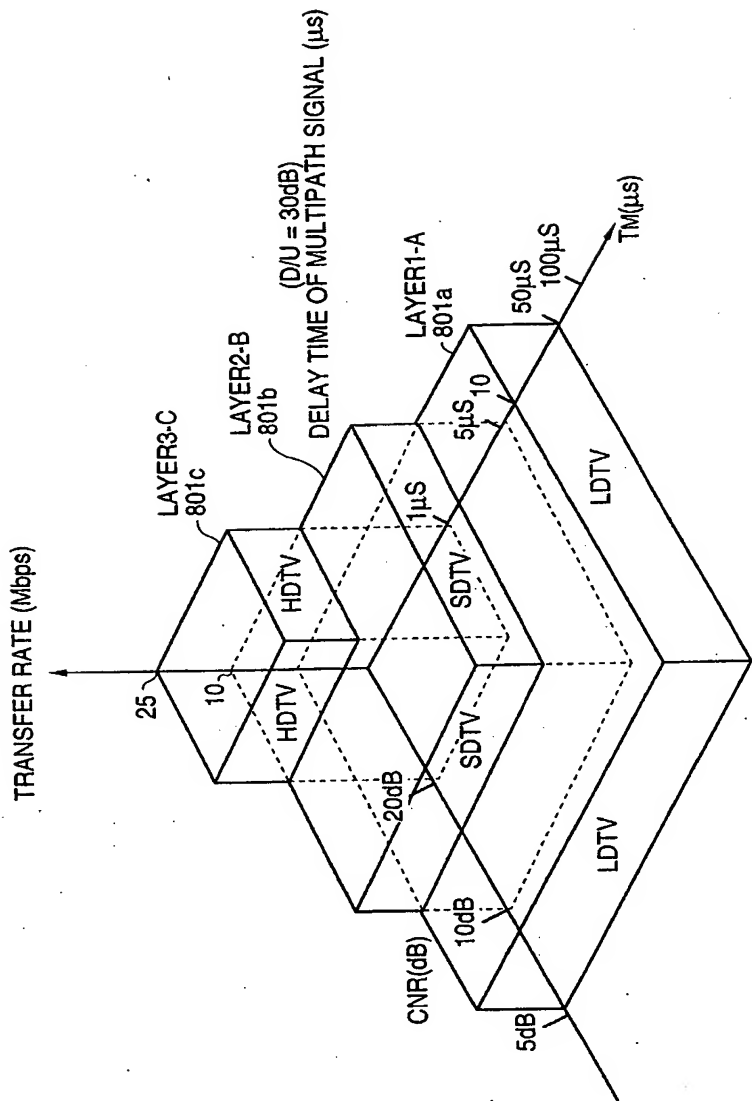


FIG. 153



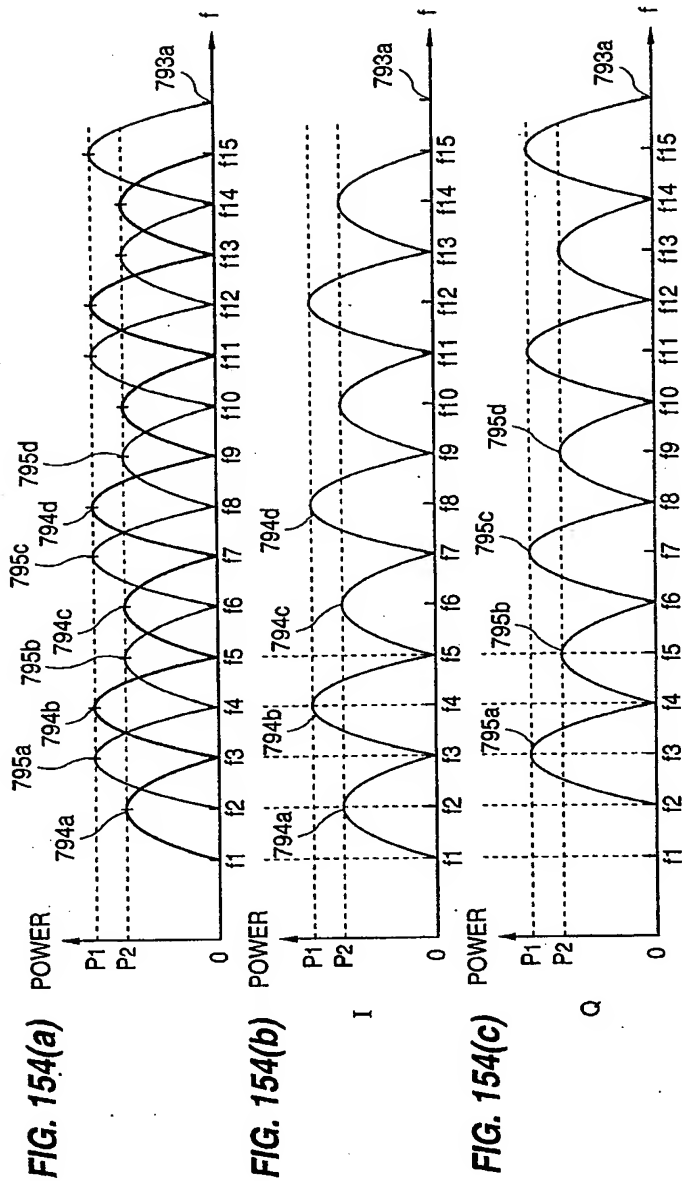


FIG. 155

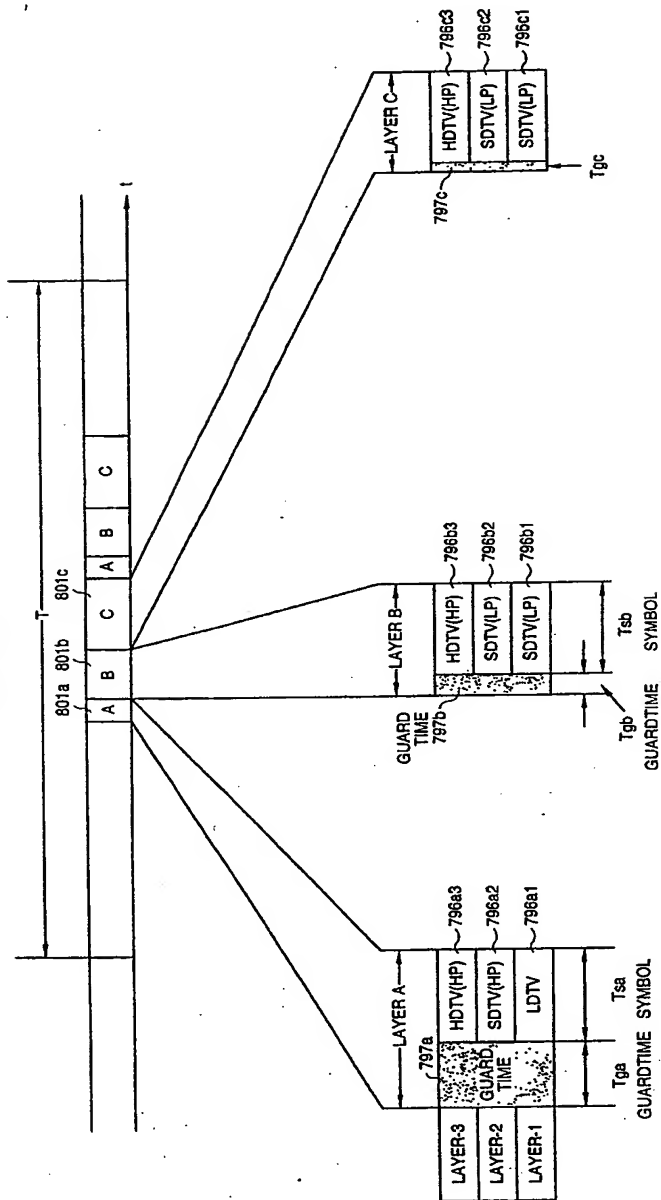


FIG. 156

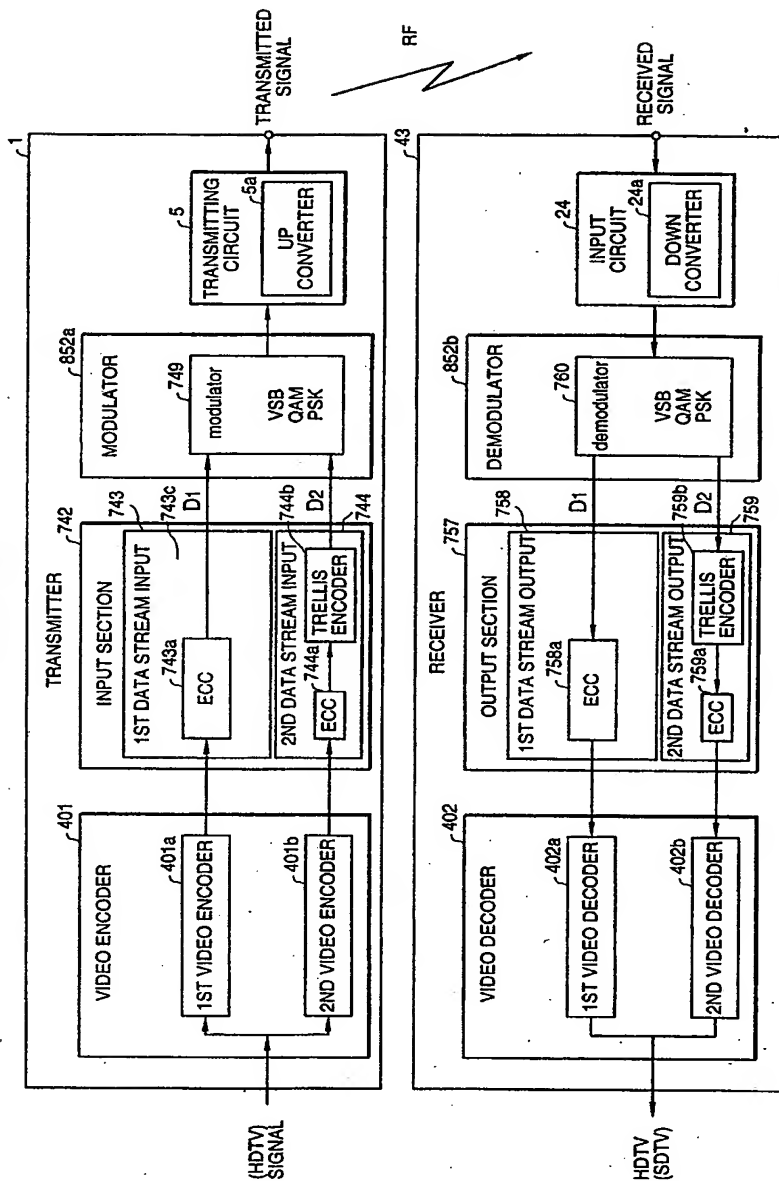


FIG. 157

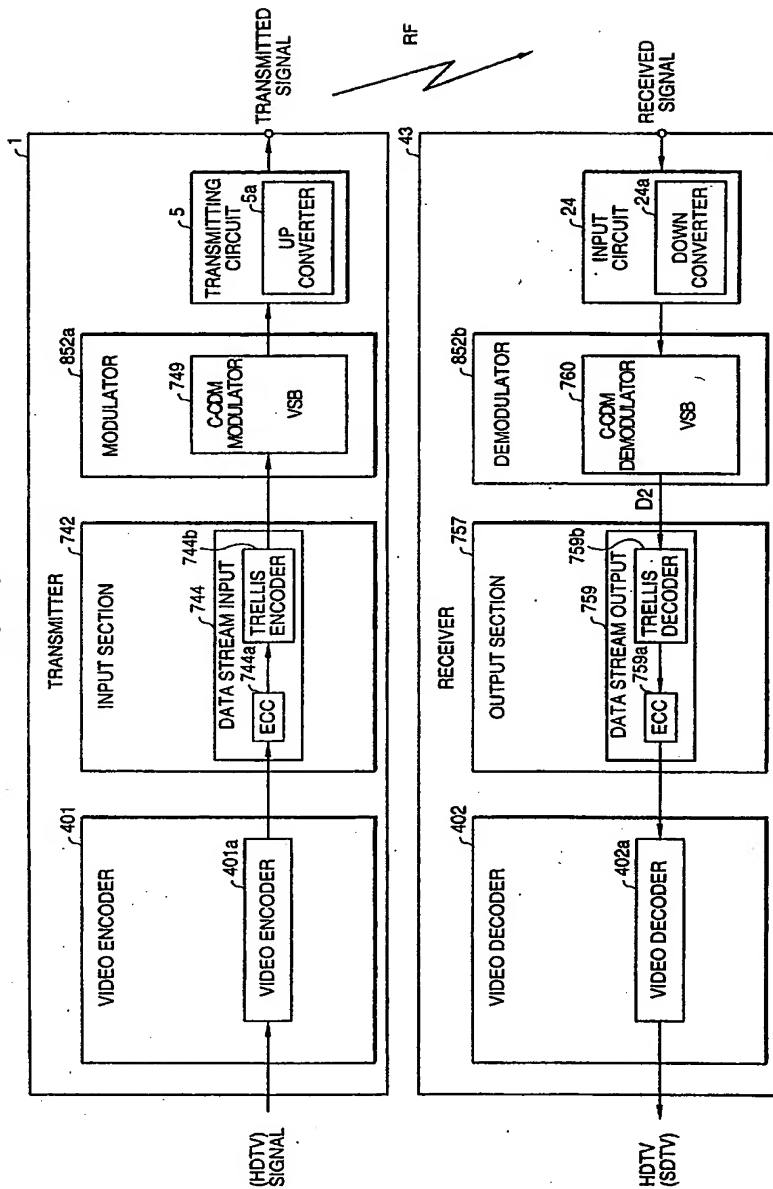
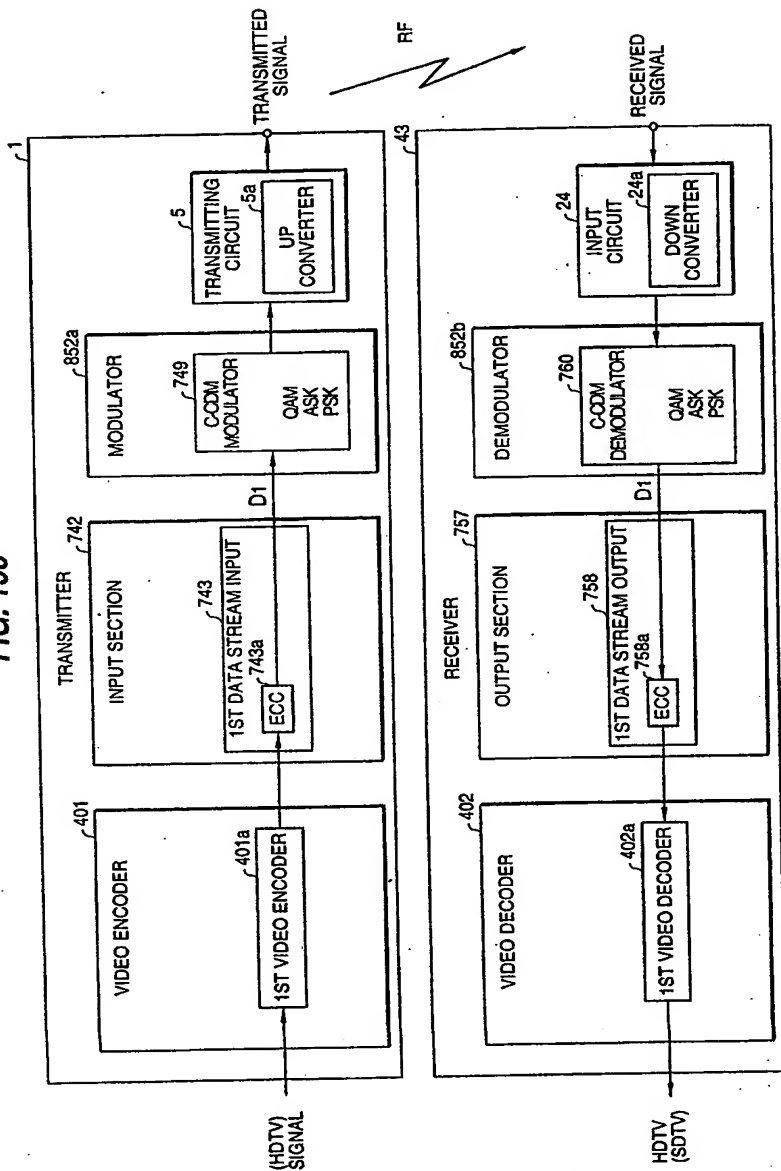


FIG. 158



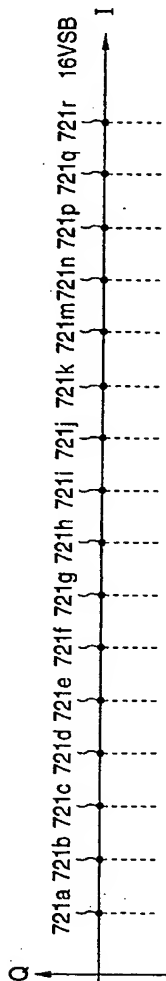


FIG. 159(a)

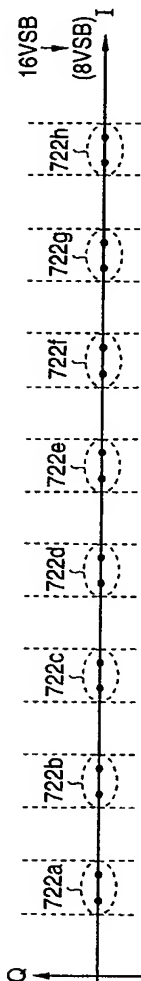


FIG. 159(b)

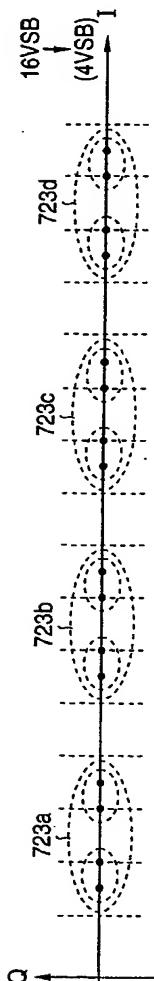


FIG. 159(c)

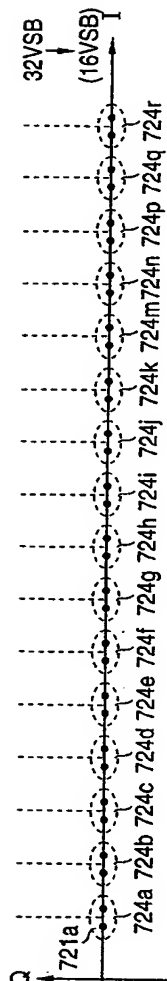


FIG. 159(d)

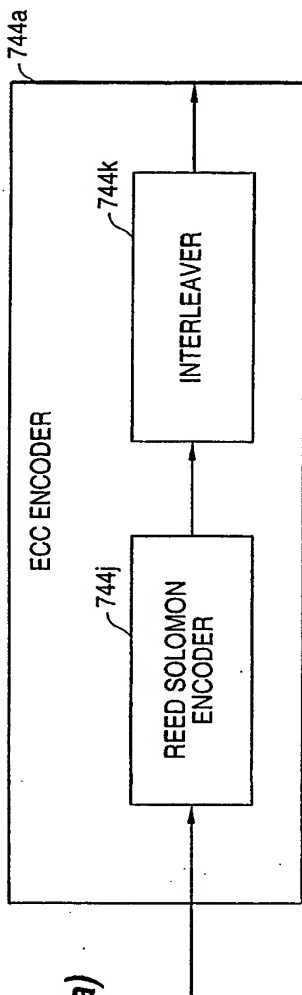


FIG. 160(a)

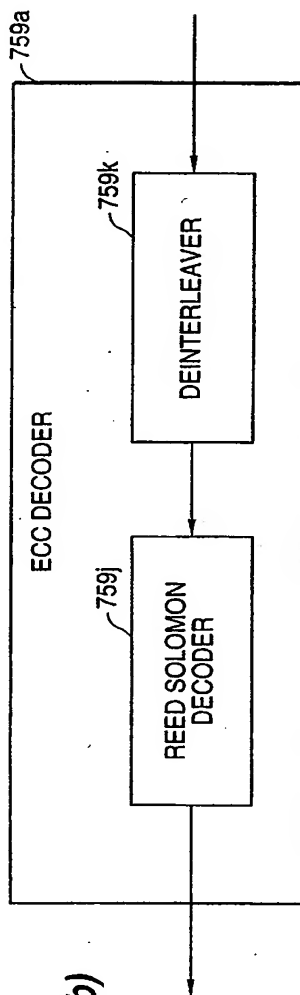


FIG. 160(b)

FIG. 161

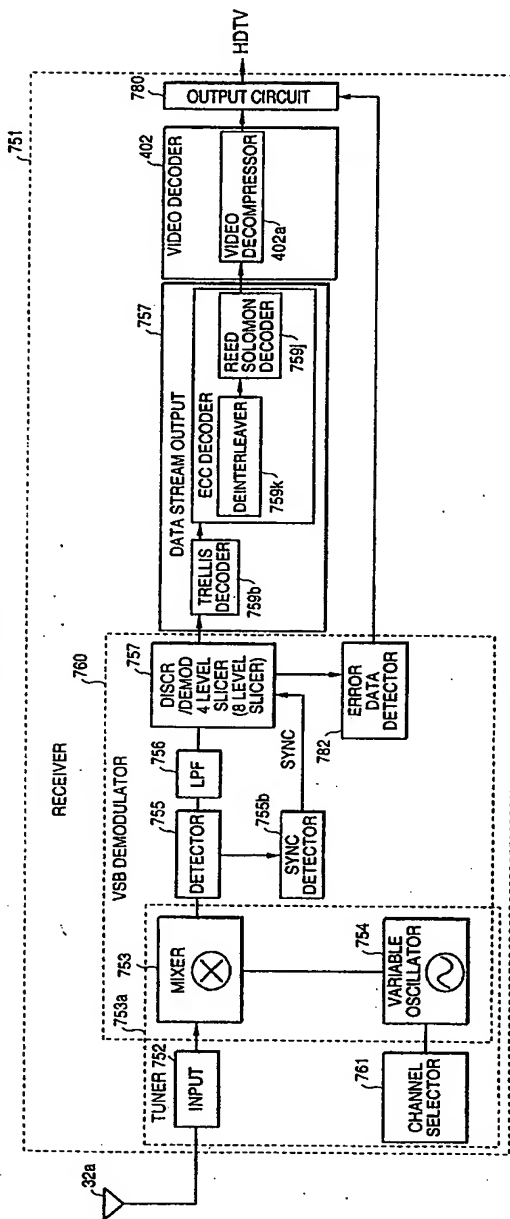


FIG. 162

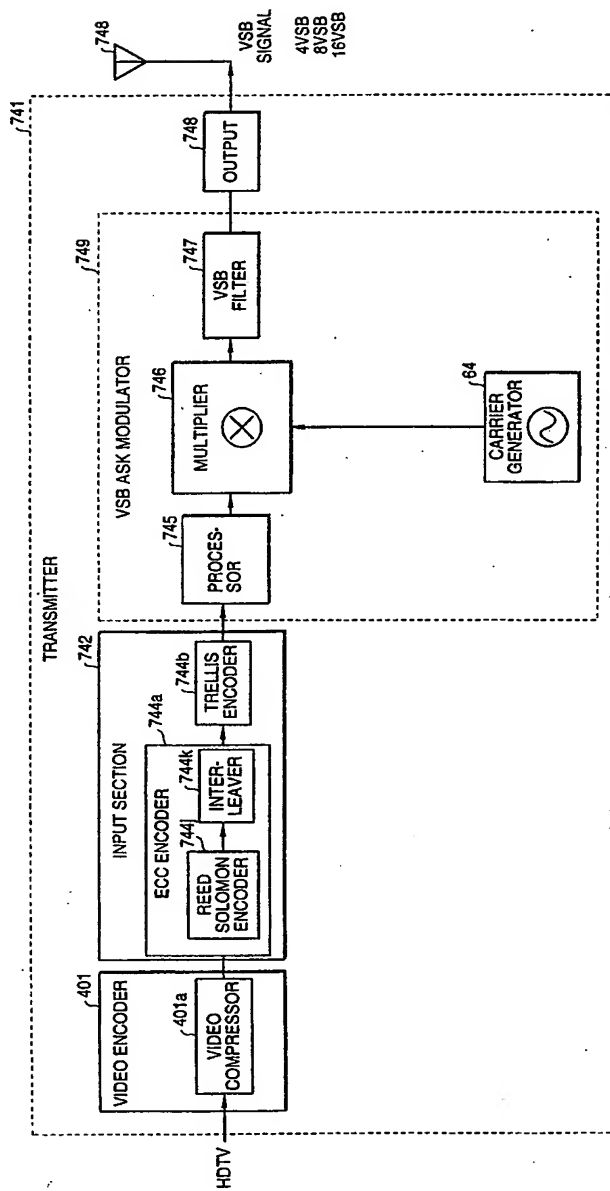


FIG. 163

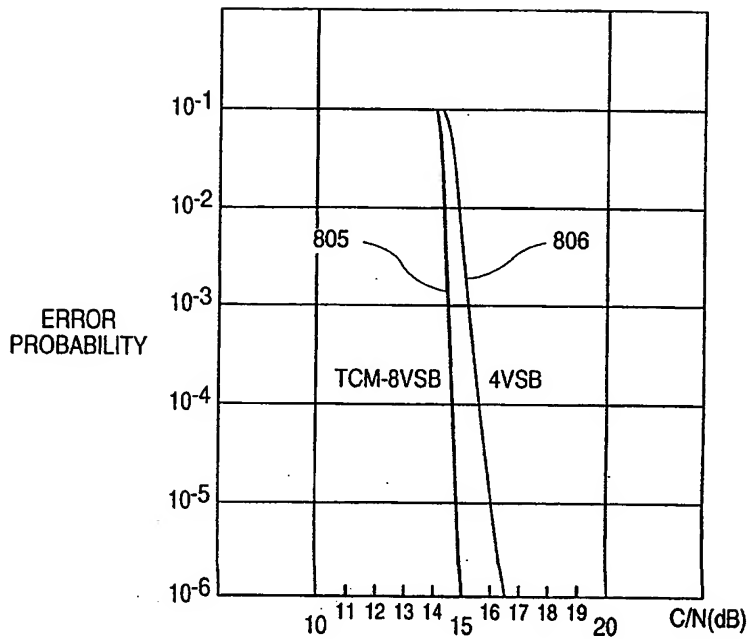


FIG. 164

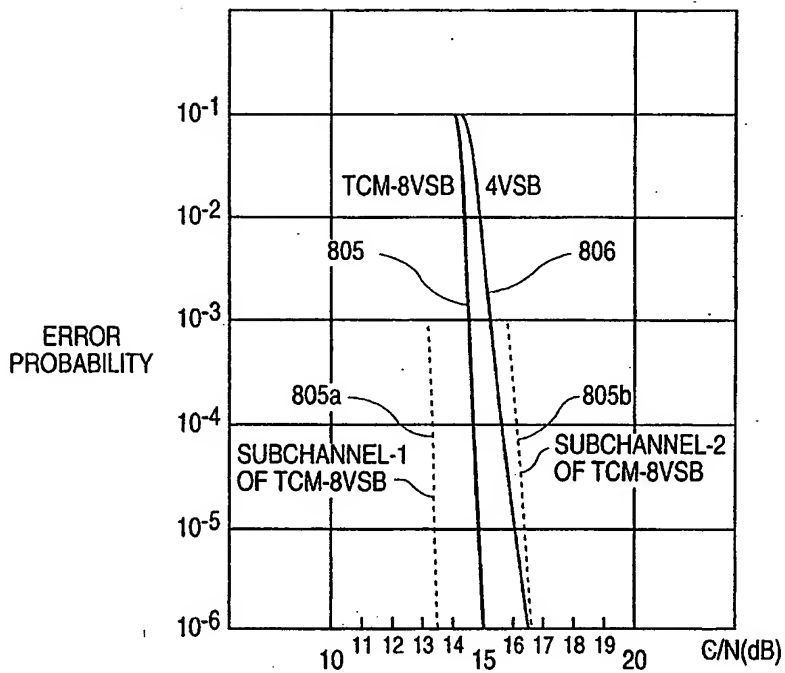


FIG. 165(a)

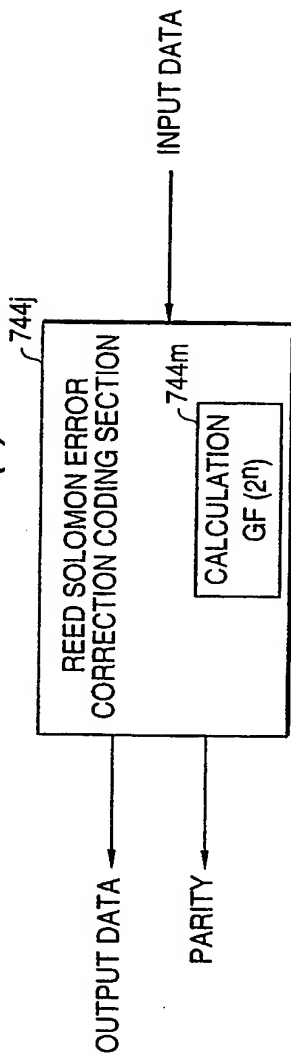


FIG. 165(b)

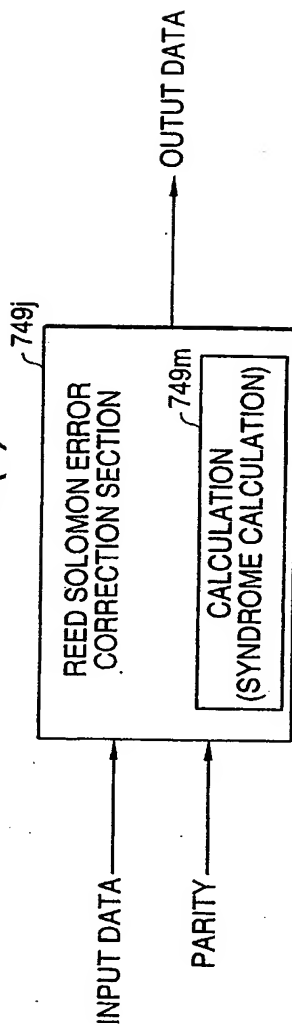


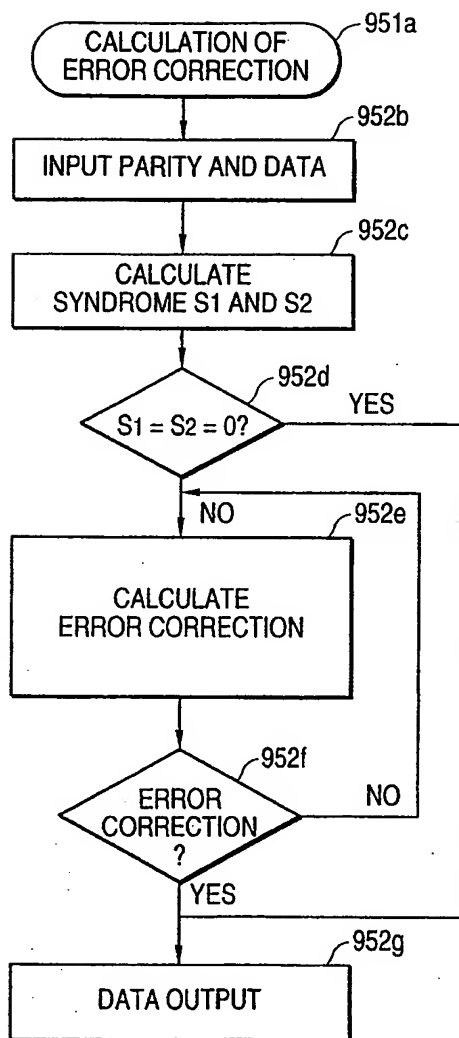
FIG. 166

FIG. 167

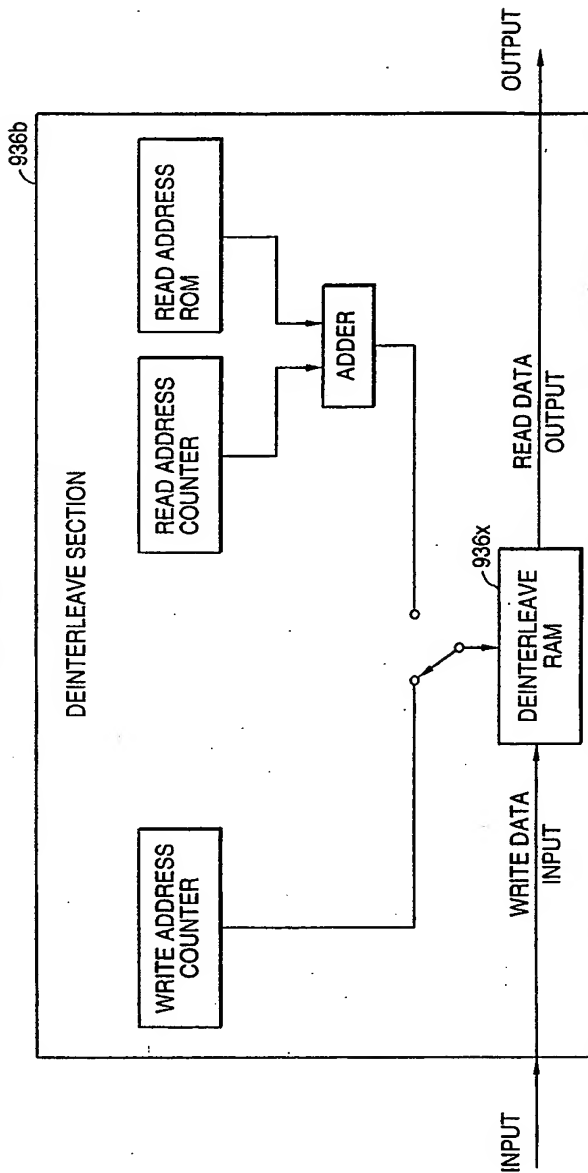


FIG. 168(a)

INTERLEAVE TABLE

	1	2	3	4	5	6	7
	DATA						C2 PARITY
951b	A 1	A 2	A 3	A 4	A 5	A 6	PARITY
1							
2	B 1	B 2	B 3	B 4			
3	C 1						
4	D 1						
5	E 1						
6	F 1						
C1 PARITY	PARITY	PARITY	PARITY	PARITY	PARITY	PARITY	PARITY
953							

FIG. 168(b)

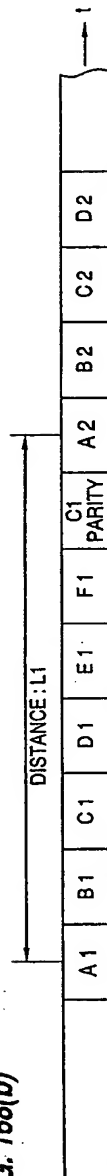


FIG. 169 (Amended)

COMPARISON OF REDUNDANCY

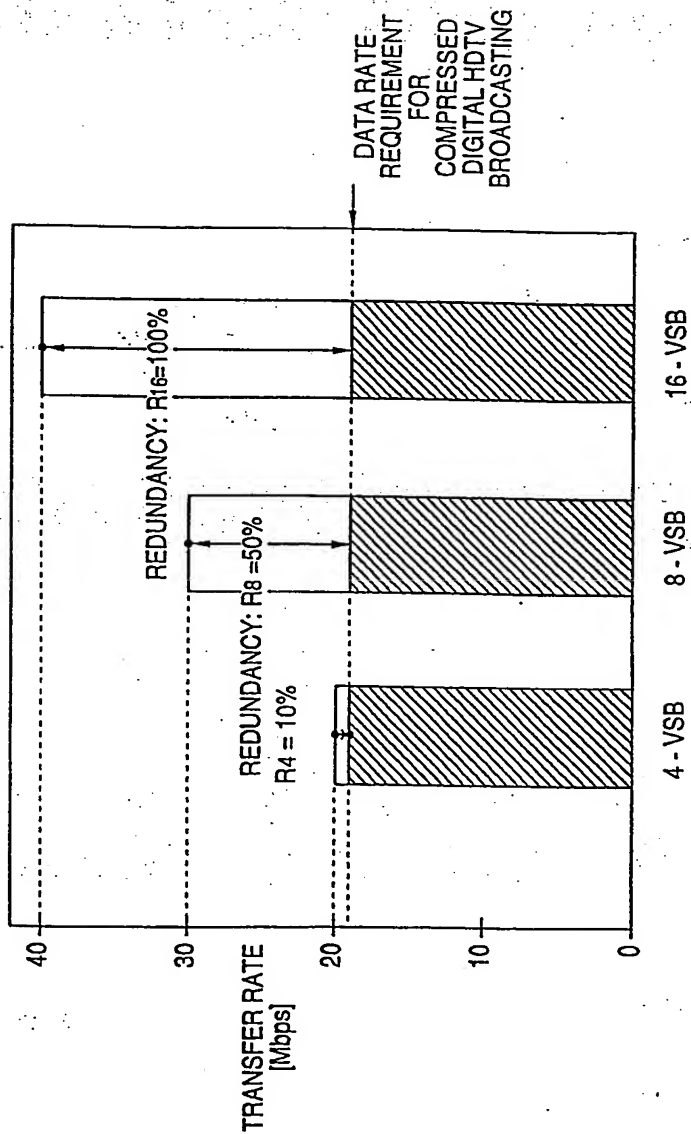


FIG. 170

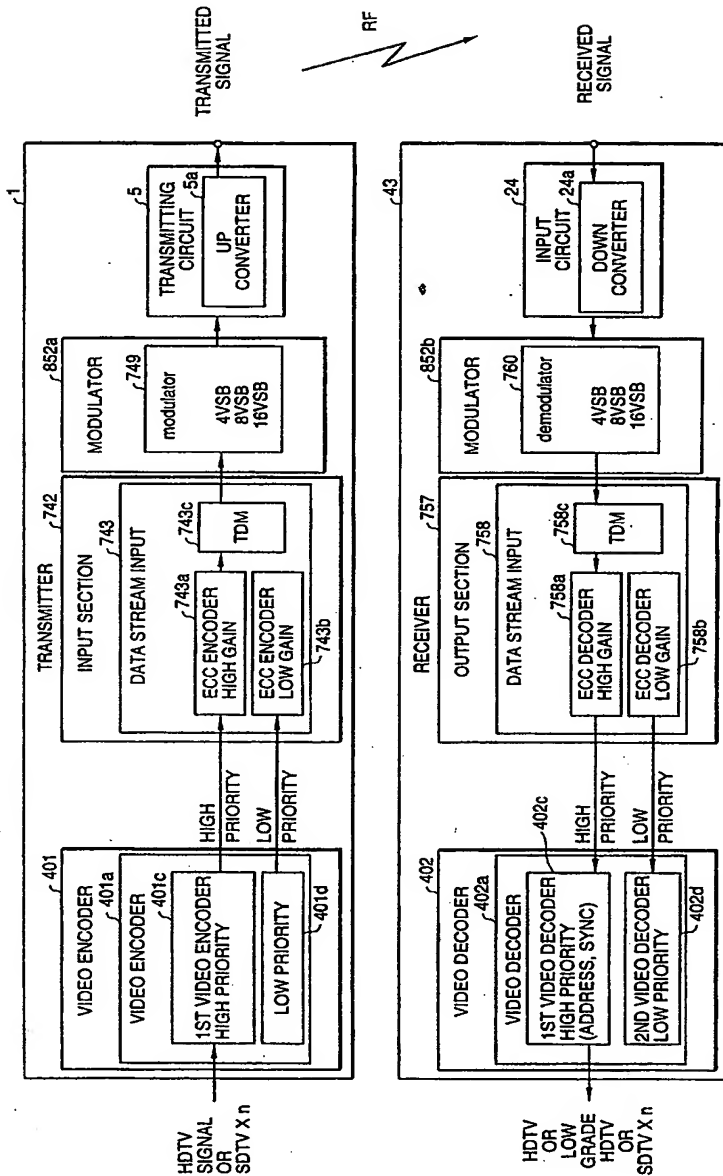


FIG. 171

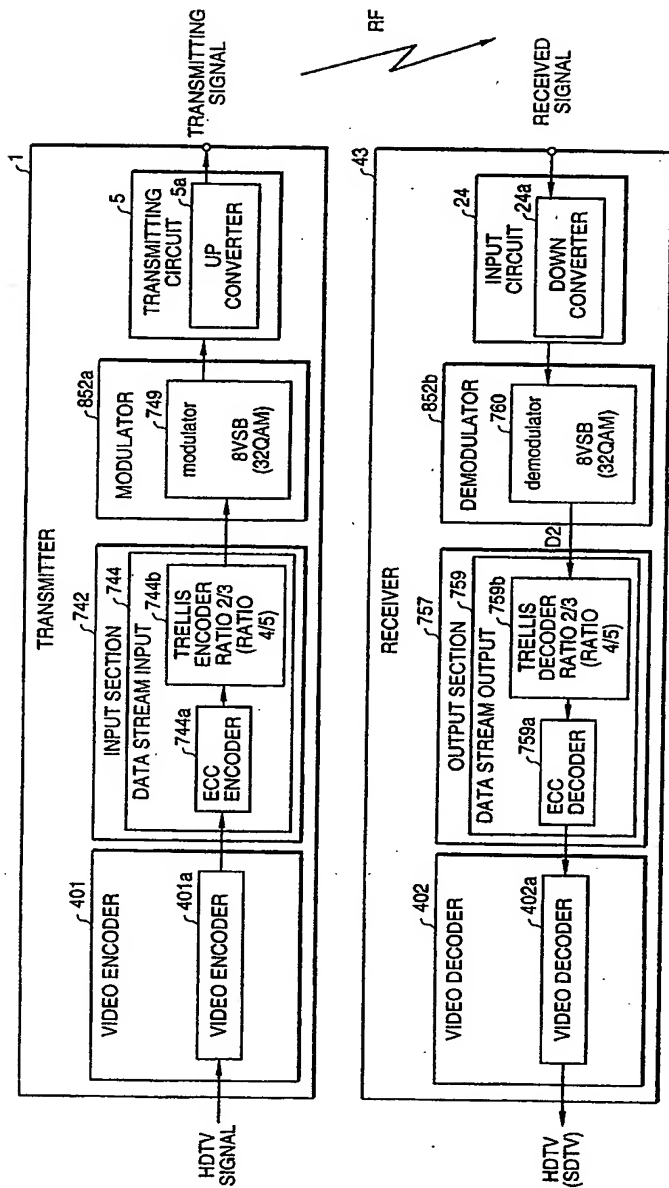


FIG. 172

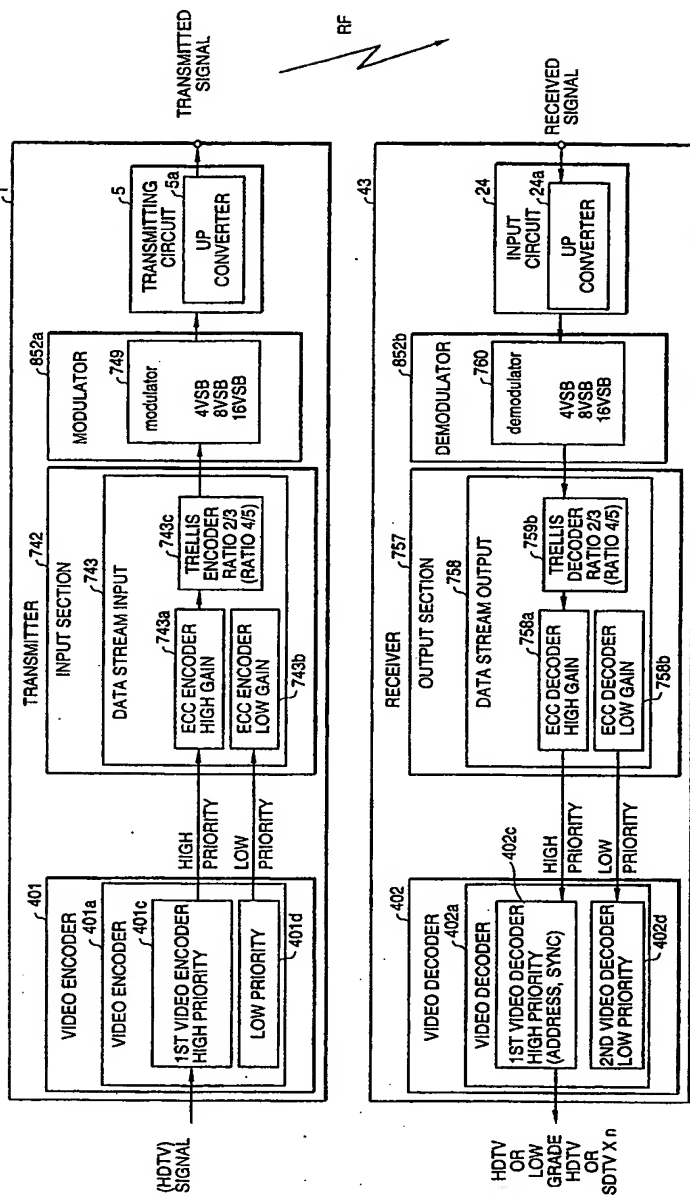


FIG. 173

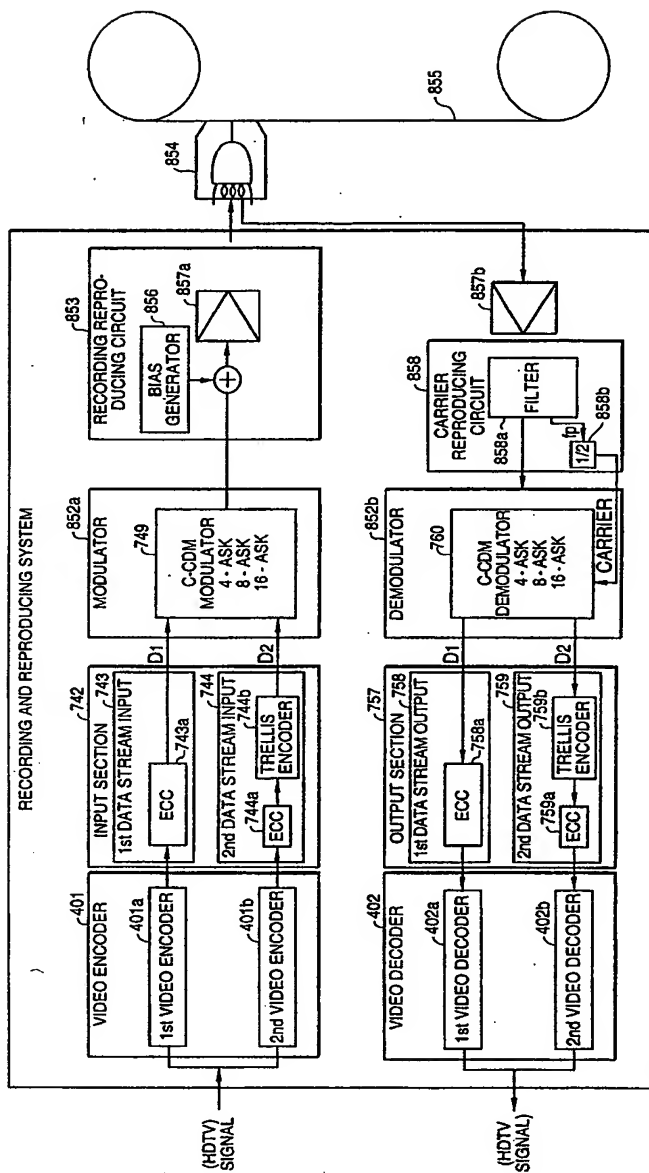


FIG. 174

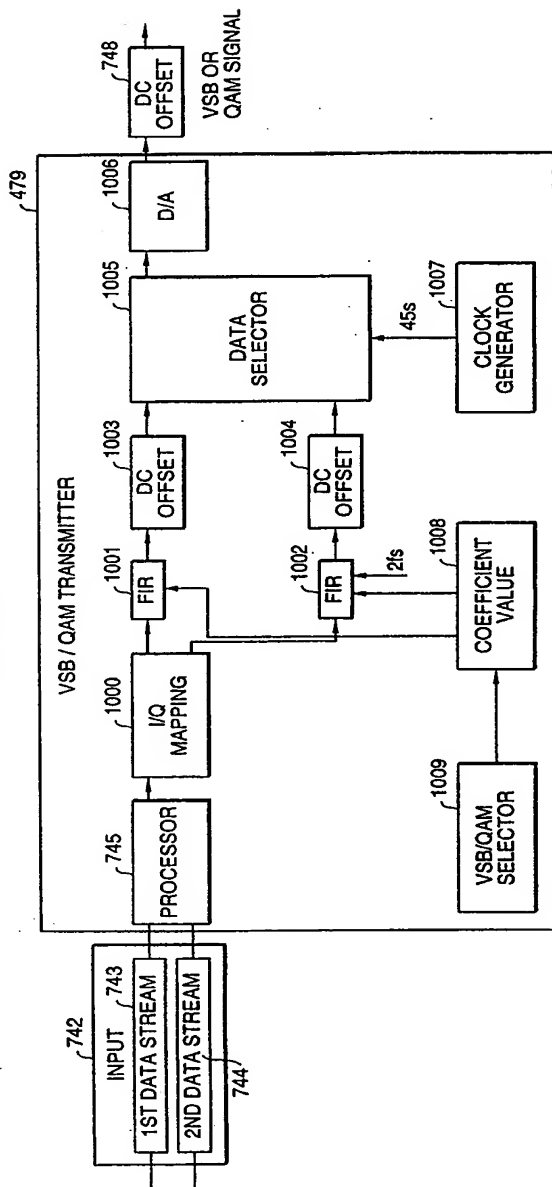


FIG. 175

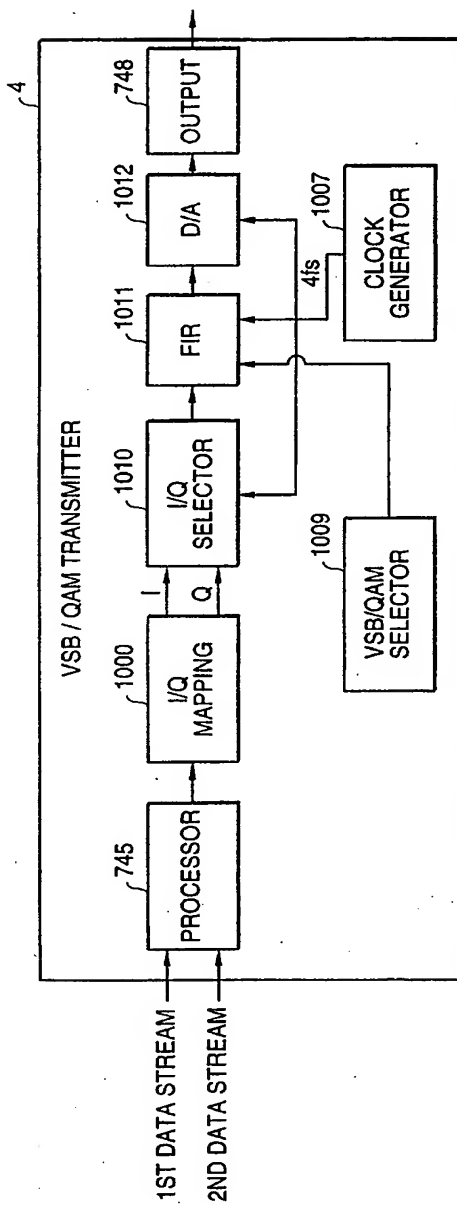


FIG. 176

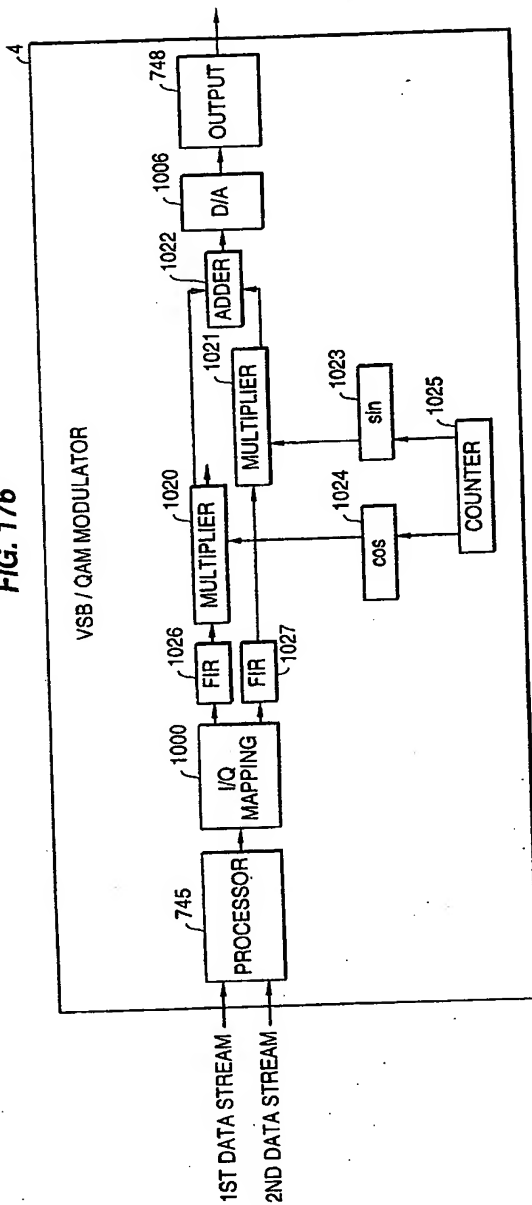


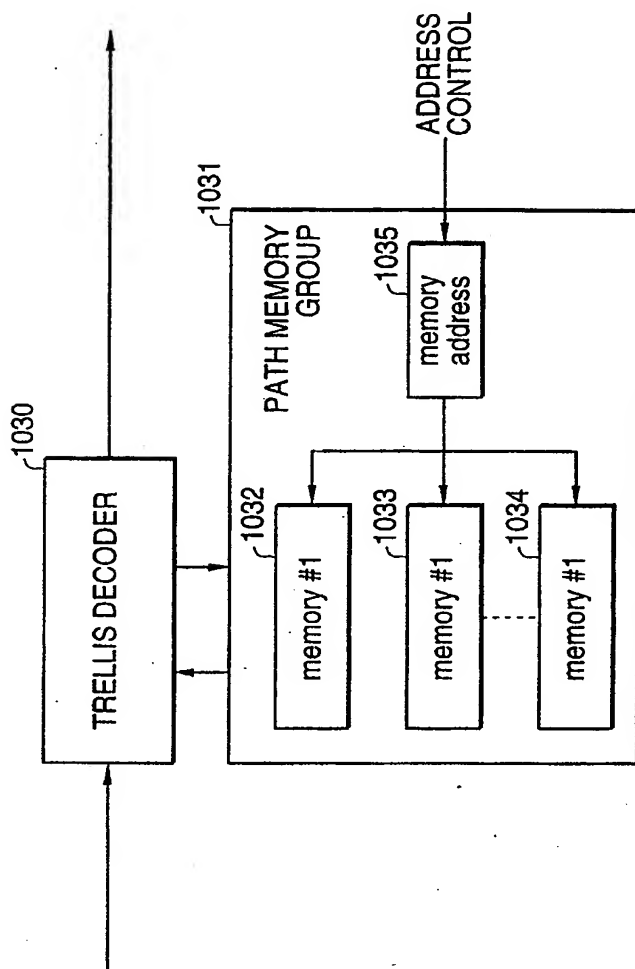
FIG. 177

FIG. 178

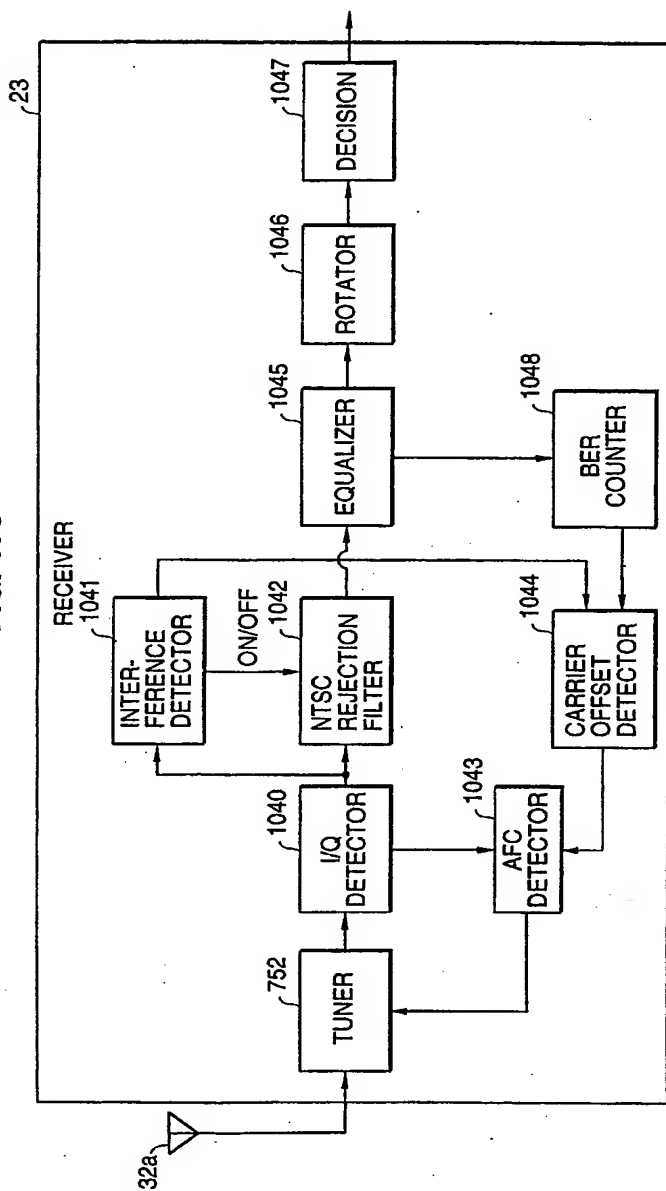


FIG. 179

